

RM  
aff

# Desert

MAGAZINE of the SOUTHWEST

JULY, 1963

40c

FIRST  
PHOTOS  
OF  
LAKE  
POWELL



# NOW! YOU CAN OWN A VALUABLE LOT IN A CHOICE SUBDIVISION!

Just \$10 down and \$10 per month for choice property only 5 minutes drive from down-town

# LAS VEGAS

**VEGAS VIEW** — The real estate with skyrocketing value



**\$10. DOWN**  
\$10.00 per Month  
**\$995 FULL PRICE**

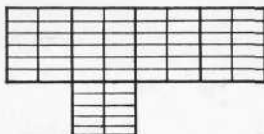


You can now take advantage of the fabulous business boom in the Las Vegas area. Here gains in real estate activity outstripped all other parts of the nation during 1962 with a spectacular jump of nearly 100 per cent in sales volume — this trend and the trend in retail sales and other business activity has continued to soar upward during 1961 and 1962.

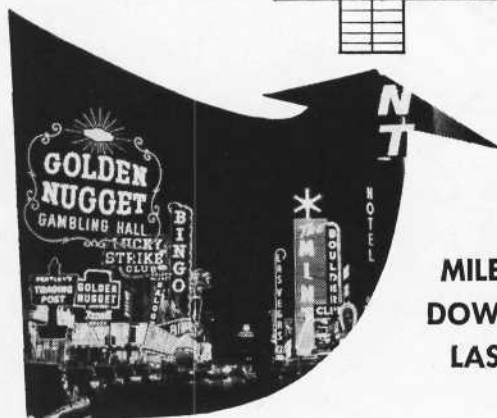
Both fun and profit can be yours...Bask in the desert sun...Ski at 11,910 foot Mt. Charleston...Boat, swim and fish at giant Lake Mead. These water and snow-fun areas are within a 30-minute drive of VEGAS VIEW.

Vegas View lots are free of city taxes but adjacent to the present Las Vegas city limits — totally unlike much of the barren land sold today in remote desert and swamp areas of doubtful future. The lots now have graded streets and electricity on the East and West boundaries of the subdivision. Never again will sites with such a potential increase in value be offered at these low, low prices. Comparable lots in Las Vegas are now selling for many hundreds of dollars more. In VEGAS VIEW just \$10 will start you on your way to early future profits! Total cost of these 50' x 100' sites is only \$995 plus the low interest included in monthly payments. You must act NOW to take advantage of this opportunity of a lifetime. Remember — only a very limited number of these choice sites are available.

LAND, INC.



130 LAS VEGAS BLVD. SOUTH, LAS VEGAS, NEVADA



JUST  
**2½**  
MILES FROM  
DOWNTOWN  
LAS VEGAS

**MAIL THIS COUPON TODAY!**

LAND, INC., 130 LAS VEGAS BOULEVARD SOUTH  
Dept. (DM-5) LAS VEGAS, NEVADA

I wish to purchase \_\_\_\_\_ site(s) in VEGAS VIEW and have enclosed \$10.00 as a deposit on each site. If for any reason I am not satisfied, I understand that my deposit will be returned to me immediately if I notify you within 30 days. Please RUSH brochure and sales contract to me today.

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_



## LETTERS FROM OUR READERS

### Withered Dream . . .

*To the Editor:* It may be that I read "Llano's Withered Dream" (May 1963) with more interest than most people, for I knew Job Harriman, founder-idealist of the unfortunate colony. He was not like some of the promoters of today who take the sucker's cash, then hightail it for Bermuda with a bevy of blonds. Idealists are impractical people, alas.

The dream of this once prosperous attorney collapsed and he lost everything, except his faith that—

*For a' that and a' that,  
It's comin' yet, for a' that,  
That man to man the world o'er  
Shall brothers be for a' that.*

LEE STROBEL  
Hemet, Calif.

*To the Editor:* David Bailey's story in the May issue on the Llano socialistic enterprise was very interesting, but I have a question: Bailey says Llano failed for various reasons, but in particular the lack of water in a desert land; how then does the Crystalline Country Club, which I am sure uses much water, manage to get, impound, dam or drill for the wet stuff?

HENRY C. LIND  
Los Gatos, Calif.

*(Basically, Llano fell as a result of the Colony's lack of funds to adequately develop the Big Rock Creek supply, and in attempting to maintain a larger agricultural enterprise than the existing water conditions would support. Also, the colonists conveyed water by open ditch which, according to C. V. Paul of Crystalline, resulted in a 50 percent loss through evaporation and seepage. Mr. Paul states that substantial sums of money were lately spent in developing the Big Rock Creek supply and that the gravelly riverbed in the Holcomb Ridge gap is now used as a vast storage basin. The water is put underground, tapped by deep well, and transported entirely by pipeline—Ed.)*

### Memories of Rawhide . . .

*To the Editor:* The article on Rawhide in your May issue brought back memories of events I played a big part in.

In the first part of the Nevada mining boom—1905—I moved to Hazen and started an auto-stage line ("The Palace Auto Transportation Co.") to Fairview. It was a 60-mile trip, and the fare was a \$20 gold piece. I drove a Winton Model A—the only car that could take off across the desert to pass the long freight wagons. The Winton went right through sand-bottomed washes and really rough going—including the road to Rawhide.

FRANK ANDREWS  
Modesto, Calif.

### Wildflower Sanctuary . . .

*To the Editor:* It is important for the future that a Wildflower National Monument be established on the Mojave Desert—now—before the land is swallowed-up and erased forever. No one can better appreciate the necessity for the preservation of such undeveloped areas as we can here in Los Angeles.

MRS. JOHN PENDLETON  
Los Angeles

### Gold Camp . . .

*To the Editor:* Another fine issue of *DESERT* (June). Particularly appreciated Lady Rae Eastland's "Gold Camp on the Mojave". I think the John Burgess sketches are outstanding. But for the enterprise and vision of such people as the Glen Settles, our "gold camps" and "ghost towns" would be, as the author so accurately stated, but "boards and broken bits".

G. D. LAWREL  
Fresno

### Canyonlands National Park . . .

*To the Editor:* I was very happy to see the proposed Canyonlands National Park being considered on its merits in your April issue. However, I believe the case for a large unified park was not well stated in the article by D. James Cannon. As an artist and also as one who is interested in the economic importance of this park to Utah, I believe in the creation of a large unified park. If mining and other commercial uses are permitted in the area, I feel it essential that

the area from the Island in the Sky, including Dead Horse Point, to and including the gorges of the Colorado and Green rivers, be protected according to the highest national park standards.

An important piece of evidence as to the economic value of the park has been overlooked. Professor Claron E. Nelson, Department of Business and Economic Research, University of Utah, at the conclusion of his analysis of the report submitted by the Department, said:

"... the first and foremost consideration must be the protection and development of the nonrenewably unique and economically valuable aesthetic resources of the area. Let me emphasize, when conflict occurs, the economic 'expectations' associated with mineral and grazing activities warrant only secondary consideration . . ."

LYNN FAUSETT  
Salt Lake City

### Varmint Callers . . .

*To the Editor:* I have followed with interest the stories and comments in your magazine regarding varmint calling (the fast-growing sport of luring predatory animals into the open with a device which simulates the cry of a rabbit in distress).

I wonder if your readers are aware of the fact that \$5,000,000 (yes, 5 million bucks!) is spent each year by the Predator and Rodent Control Branch of the U. S. Fish and Wildlife Service? According to one source, between 700 and 800 FWS men, supervised by nearly 100 agents, work year-round on the predators—mainly coyotes—using traps, cyanide bombs and the violent poison, sodium flouracetate (Compound 1080). Of course, the poison and traps are hardly selective, and foxes, bobcats, badgers, bears, some birds, domestic animals and even humans are their victims.

The Fish and Wildlife Service works hard to eliminate the coyote—then faced with an over-population of rodents, spends another million dollars to help control this problem.

Everything considered, it seems the few animals taken by the varmint caller is a drop-in-the-bucket. It should also be pointed out that not all varmint callers go into the field armed with guns. Some have cameras—and others simply enjoy a close look at animals that are usually very evasive.

CLOYD SORESENSEN JR.  
Vista, Calif.



THE FIRST  
PICK-UP  
CAMPER  
TO BE TESTED  
ON A 'ROUND  
THE WORLD  
TRIP

The unique hydraulic mechanism which raises the camper top can be safely operated even by a small child. Locks prevent accidental lowering. The top is lowered quickly by the simple turn of a valve.

The Alaskan Camper is quickly transformed from its compact low silhouette on the road to roomy walk-in living quarters. Drive safely at any speed with minimum drag and sway. Moments later, enjoy the comfort and conven-

ience of a weathertight, high ceiling, home away from home complete with three burner stove, sink, cabinets, ice box, beds, and many other luxury features.

SIX  
FACTORIES  
TO SERVE  
YOU

Write today to the factory nearest you for free folder describing the most advanced camper on the road.

R. D. HALL MFG., INC.  
Dept. D  
9847 Glenoaks Blvd.,  
Sun Valley, Calif.

CAMPERS, INC.  
Dept. D  
8819 Renton Ave.  
Seattle 18, Wash.

PENNACAMP, INC.  
Dept. D  
P. O. Box 264  
Manheim, Penna.

CANADIAN  
CAMPER  
Dept. D  
77 Pelham Ave.  
Toronto 9, Ontario

MOBILE LIVING  
PRODUCTS, LTD.  
Dept. D  
P. O. Box 548  
Red Deer, Alberta

R. D. HALL MFG., INC.  
Texas Div., Dept. D  
6911 Stearns St.  
Houston, Texas

U.S. PATENT NO. 2879103

CANADIAN PATENT NO. 637-543

# Desert

## CONTENTS

Volume 26

Number 7

JULY, 1963

### This Month's Cover

Sentinel Rock, one of many famous landmarks on the Colorado River, will be submerged under the waters of a rising Lake Powell. See story on page 20.

### 3 Letters from our Readers

### 4 The Desert in July

### 6 New Ideas for Desert Living

By DAN LEE

### 8 Desert Agriculture and Humidity

By DALE R. HARRIS and IRIS KRAMER. Don't blame summer humidity on the farmers.

### 11 Desert Camera

By FRANK JENSEN. A new DESERT feature for sunland photographers

### 12 Claraville, Burning Moscow Mine

By RICHARD C. BAILEY. A short jaunt into California back-country.

### 16 What Price Acculturation?

By W. THETFORD LeVINESS. A report on the American Indians' dilemma.

### 20 A Lake Is Born

By JACK PEPPER. Early boaters' launch at new Lake Powell.

### 25 Cool Roof for Summer

### 26 Porcupine Guide

By A. T. RUGGERI. The author acquires a unique friend.

### 28 Boot Camp for Rockhounds

By SIDNEY PHILLIPS. They polished stone instead of brass.

### 31 Nature's Little Things

By RUTH HEARD. So easy to overlook; so beautiful to behold.

### 32 Earp—The Town and the Man

By PETER R. ODENS. A fresh look at a Western "hero."

### 38 New Southwest Books

By CHARLES E. SHELTON. Reviews of current books.

### 39 Desert Cookery

By LUCILLE IREDALE CARLESON. Salads for hot weather.



### Choral and Jack Pepper

DESERT'S NEW EDITOR AND PUBLISHER

**DESERT CHANGES HANDS.** Sale of Desert Magazine, effective June 1, was announced by Charles Shelton, president of the corporation. New publisher is Jack Pepper, former newspaperman and public relations executive, who has moved to Palm Desert from Las Vegas, where he has lived the past 10 years.

The new owner's wife, Mrs. Choral Pepper, author of many DESERT articles, is now editor of the publication.

"As the new publisher of DESERT," Pepper stated, "I want to assure our readers there will be no radical changes in 'the magazine of the Southwest' which for the past 26 years has faithfully, accurately and interestingly chronicled the activities of life in this fascinating corner of America. Choral and I are both proud to be a part of the DESERT family."

Following 12 years as a newspaperman on the east and west coasts, Pepper was named manager of the Las Vegas News Bureau where he directed the resort's national publicity and promotion campaigns. For the past two years he has operated his own public relations firm in Las Vegas.

Shelton said the sale includes the title of the magazine, its subscription list and files only. The famed Desert Art Gallery was not included in the sale.

Eugene L. Conrotto, who has been on DESERT's staff since 1955 and editor since 1958, will be associated with Shelton in the general publication field, and will maintain offices in the Desert Magazine building in Palm Desert.

**GUNNERY RANGE.** The U. S. Navy took a big step closer to grabbing the deed to 132,000 acres of public land in California's Chocolate Mountains, which it has been using as an aerial gunnery range for

DESERT is published monthly by Desert Magazine, Inc., Palm Desert, Calif. Second Class Postage paid at Palm Desert, Calif., and at additional mailing offices under Act of March 3, 1879. Title registered No. 358865 in U.S. Patent Office, and contents copyrighted 1963 by Desert Magazine, Inc. Unsolicited manuscripts and photographs cannot be returned or acknowledged unless full return postage is enclosed. Permission to reproduce contents must be secured from the editor in writing. SUBSCRIPTION PRICE: \$4.50 per year (12 issues) in the U.S.; \$5 elsewhere. Allow five weeks for change of address, and be sure to send the old as well as new address.

To subscribe, or to give a DESERT gift subscription, use the coupon on page 27

NATIONAL ADVERTISING REPRESENTATIVES:

Arden E. Roney & Associates

580 South San Vicente Blvd., Los Angeles 48, California. Phone: 651-3930

NEW YORK—210 E. 53rd St. PL 3-1780

CHICAGO 1—35 E. Wacker Dr. ST 2-8196

SAN FRANCISCO 3—1355 Market St. UN 1-7175

DETROIT 26—658 Book Bldg. WO 1-6063

JACK PEPPER  
publisher

CHORAL PEPPER  
editor

Address Correspondence To:

Desert Magazine, Palm Desert, Calif. Phone: FI 6-8144



20 years. The House Public Lands subcommittee recently approved the formal withdrawal of the acreage. The Western Oil and Gas Association protested the move, saying a portion of the area merited further prospecting for petroleum. The Navy countered with the announcement that it would have no objection to mineral exploration in the Chocolates — provided the prospectors and oil crews did their work when the Navy fliers were not overhead. The range was in use 270 days during the past 12 months.

**MISSION TO THE NAVAJOS.** The first Episcopal Mission to be established in the Utah area of the Navajo Reservation will celebrate its 20th anniversary on July 25. St. Christopher's Mission near Bluff was founded by the Rev. Baxter H. Liebler, whose career in Navajoland has been chronicled over the years in the pages of DESERT. Fr. Liebler recently retired, and the new vicar is Rev. Wayne L. Pontious. Following a Pontifical High Mass at 10 a.m., there will be a sort of Fourth of July, Navajo style. The Mission will offer cash prizes for rug weaving and for artwork in painting, silver and leather work. In the afternoon, games and contests will be organized, including sack races, archery, water boiling (starting from scratch), bread baking, and a "chicken pull" (which today means pulling money sacks, not chicken heads, out of the ground from the back of a galloping horse). In the evening there will be fireworks and a squaw dance. Should be fun.

**NEW SMALL TRACT AREAS.** The Riverside Land Office of the Bureau of Land Management has added to its Small Tract listings more than 900 new parcels, bringing to almost 5000 the total tracts now available. The new listings are for land in the Little Lake, Willow Springs, Barstow and Lancaster areas, where there has been no land on the market for the past two or three years. Tracts are sold at the Land Office each Wednesday at 10 a.m. to the highest bidder at or above the appraised value—which runs from \$150 to \$2250 for a five-acre parcel.

**SALTON OCTOPUS.** A lot of things have turned up in the Salton sea—but for the first time an octopus made its appearance. There can be no doubt that the creature was transplanted in Salton, probably a visitor from one of the Pacific Coast towns. The Salton octopus 18 inches in diameter, was captured by a 12-year-old boy.

**JULY CALENDAR.** July 3-4: Holbrook, Arizona, Sheriffs Posse Rodeo. July 4: Victorville Stellarbration, parade at 10 a.m., sport events during the day, stage show and fireworks in evening. July 4: Bisbee Celebration includes Hard Rock Drilling Contest and parade. July 4: Fireworks at these Arizona towns: Globe, Glendale, Casa Grande, Williams, Winslow and Phoenix. July 4: Fireworks Show, Palm Springs. July 4-5: Annual Sedona Carnival. July 4-6: Flagstaff All Indian Pow-Wow. July 4-6: Prescott Frontier Days. July 6-7: Kiwanis Rodeo, Fallon, Nevada. July 24: Pioneer Day Celebration in Salt Lake City and most other Mormon-founded cities and towns in Utah and northern Arizona. ///

## READY FOR THE ROUGHEST!

*Mustang*

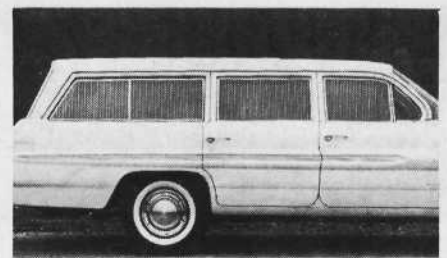
### TRAIL MACHINE

Dealer  
Inquiries  
Invited



Features 3-Speed gear box, left-hand operated clutch, right-hand operated shift lever, telescopic front forks, folding kickstarter. Engine: Briggs & Stratton 5 1/2 HP.

MUSTANG MOTOR PRODUCTS CORP., 241 CONCORD ST., GLENDALE 3, CALIF.



### Custom Made Auto Sun Shades

"Take the sizzle out of the Sun." Your car or wagon up to 15° cooler. Blocks the sun's rays and public's gaze yet gives excellent visibility and ventilation. Ideal for campers, travelers, and every day driving. Greatly improves air conditioning efficiency. Custom made for cars and wagons 1955 through 1963. Easy to install with enclosed simple instructions. Write for Free catalogue and prices. Give make and model, 2 or 4 door. Prompt Shipment. Sidles Mfg. Co., Box 3537D, Temple, Texas.

### QUICKEST WAY TO OUTDOOR COMFORT



### CHECK THESE FINE FEATURES:

1. You can set up or take down Kar Kamp in 5 minutes.
2. Makes a large airy room with nylon screen sides.
3. Straight walls—no center pole. Plenty of headroom.
4. Detaches easily from car.
5. You can travel light with uncluttered car. Nothing to haul, no speed restrictions.
6. Kar Kamp as well as gear for four will fit in 4'x4' carrier.
7. Kar Kamp carriers fit all hardtop cars, American or Foreign, trucks too.
8. Leave gear in carrier, no packing and unpacking. Stores overhead in garage or carport.

Prices \$99.95 to \$339.95

Write for booklet to

**KAR KAMP MFG.**

8925 E. GARVEY AVE. — DEPT. L  
S. SAN GABRIEL, CALIF.

### Changing Address?

New postal regulations make it important that you send your change-of-address notice to us promptly. And please remember to list your old address as well as your new.

Circulation Dept., Desert Magazine  
Palm Desert, Calif.

## HISTORICAL BOOK SPECIALTIES

**THE BONANZA WEST** by William Greever. Story of western mining rushes to Calif., Nevada, Colorado, Idaho and Klondike. Comprehensive work by noted author. \$5.95

**BOOM TOWNS OF THE GREAT BASIN** by Robertson and Harris. Most exciting history of the area between the Wasatch and Sierras which has turned up untold human stories and mineral wealth. \$5.00

**NEVADA'S TURBULANT YESTERDAY** by Don Ashbaugh. Ghosts and tales of long gone Nevada towns and the people who built them. Excellent book. \$7.50

**PIONEER OF NEVADA**, pub. by Harold's Club. Hundreds of stories of early Nevada—people, places, fortunes. Much history. Paper cover. Vols. I & II, each. \$2.00

**FIELD GUIDE TO ROCKS AND MINERALS** by Frederick H. Pough. Classic handbook for rockhounds. Complete. \$4.95

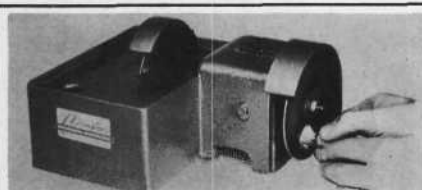
**STORY OF EARLY MONO COUNTY**, by Ella Cain. Exploration, mine rushes, ghost towns of fascinating historical area. True. . . . paper \$2.75, cloth \$5.50

**STORY OF INYO** by W. A. Chalfant. True story of Owens Valley from the early days to difficulties and export of water. Often cited history. \$4.00

**MANY OTHERS.** Write for complete list. Postage prepaid if payment enclosed with order. In Calif. add 4% sales tax.

## PIÑON BOOK STORE

206 North Main St. Bishop, California  
In the Heart of the Eastern High Sierras



### IT'S EASY AND LOTS-OF-FUN

Make Beautiful Gems Now! Learn about this fascinating hobby in a new booklet, "SO YOU WANT TO CUT GEMSTONES" and Informative Catalog—\$1.50 value for only 25c. Send for yours TODAY

**Covington** Lapidary Eng. Corp.

1st. & Hwy. 99 Redlands D, Calif.

REMEMBER BIRTHDAYS with  
a DESERT subscription . . . \$4.50

## Metal Detectors

BOUGHT — SOLD — TRADED

Dealer For

Detectron, Fisher, Goldak,  
Raytron, GeoFinder,  
Metrotech

Repair Service

## BILL'S SERVICE CENTER

15502 So. Paramount Blvd.  
Paramount California

## NEW IDEAS for DESERT LIVING

By DAN LEE



### Water Bag—

Here's an item with both practical and novel appeal . . . a genuine goatskin liquid bag used for hauling drinking water, juices, lemonade, or other cool drinks. They call it *Bota*. Capacity is a half-gallon of liquid. Unlike other canteens, the *Bota* never touches the lips. The user merely tips it up, and the liquid gushes out in a thin, controlled stream. The object is to direct this stream into the mouth. The interior of the goatskin bag is lined with an impervious plastic liner, and a strap makes carrying the *Bota* a cinch. The maker points out that the item can be used for both decoration and outdoor use. The price is a reasonable \$4.95, from Bergen's Best Buys, P. O. Box 185, Westwood, N. J.



### Boat Mooring Buoys—

New mooring buoys from Glasspar Boat Company, world's largest producers of fiberglass boats, have several new features which make them worthwhile for any boat owner or boat landing operator. The new buoys

are filled with unicellular plastic foam, have integral eye-bolts top to bottom, and due to the method of construction, float much higher in the water than other buoys. Glasspar's new *Everfloat* buoys are made of moulded fiberglass over foam, with a rubber bumper built in as protection against scuffing. Sizes available include these diameters: 12-, 16-, and 22-inches. The new *Everfloat* buoys should be practical and long lasting along the Colorado River, Lake Mead, and Salton Sea. Price not announced: from Glasspar Boats, Everfloat Division, 19101 Newport Blvd., Santa Ana, Calif.

### Heilite Camping Trailer—

New fold-out camping trailers come along regularly, but the *Heilite Model 170* offers something new and different. To my knowledge, the *Heilite* is the first camping trailer of its type to open and fold out mechanically. A simple crank mechanism moves the storage-bed elements out to open position, and the built-in bows then spring out to support the fabric covering. Overall size of the folded-out trailer is 12-feet long by 7-feet, 2-inches wide. Folded down for travel, the Model 170 is only 48-inches high. The unit has four self-leveling legs which swing down to stabilize and level the trailer at the site. The torsional suspension axle allows a full 10-inches of ground clearance and smooth riding qualities. Total weight of the *Heilite Model 170* is a low 500 pounds, road-ready. Retail price is \$745. Heilite Trailers, Inc., 1300 S. Sacramento St., Lodi, California.

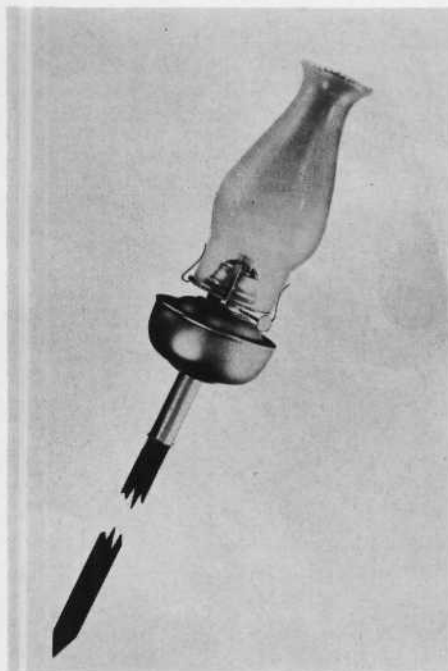


### Tire Compound—

Heat and dryness rob the elasticity of rubber tires and moldings, leaving them open to attack from industrial smog-cracking, weather-checking, and general sidewall deterioration. Tires left in storage on boat trailers, mobile homes, truck campers and housecars quickly show signs of costly rotting. New *NEOPRENE TIRE SHIELD* is a chemical preservative for natural rubber surfaces based on the principal that neoprene has high resistance to sunlight-dryness, the effect of smog-cracking, and in general keeps tire sidewalls protected against weathering while in storage. The compound is easily applied with a brush, dries in about 15 minutes to a tough elastic sheath that flexes with the tire. Black in

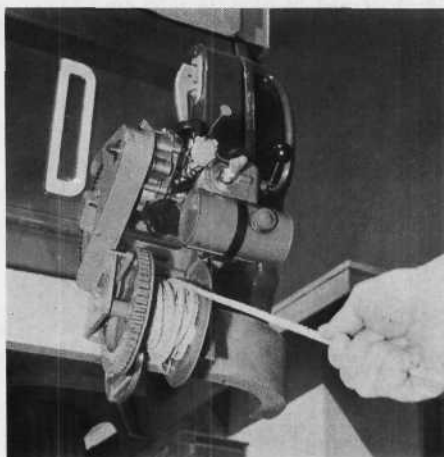


color, it has the natural look of real rubber—no artificial shine—yet it makes tires look new again. Should also be good coating windshield moldings, spare tire sidewalls, cracked ignition wires, battery terminals, and other areas where a heavy coating of neoprene rubber is desirable. Made with DuPont neoprene, **NEOPRENE TIRE SHIELD** costs \$3.65 per quart, \$8.35 per gallon. One quart does 10- to 20-tires, depending on condition. Freight prepaid from Auto-Vacation Products, P. O. Box 276, San Dimas, Calif.



#### Kerosene Patio Lamp—

Here's a product you can put to use on camping trips or at home in the patio. It's a kerosene lamp attached to the top of a six-foot stake, which is forced into the ground. The kerosene lamp provides a soft glowing light, won't blow out in a normal wind, and holds a supply of fuel to last about four evenings' burning time. By adjusting the wick, the light can be varied from soft to bright light. The clear glass chimney is made of heavy-wall glass for rugged, safe handling. Called the **Fradol #113 Patio Lamp** it sells for \$5.95, from Fradol Enterprises, 3649 Lee Road, Cleveland 20, Ohio.



#### Portable Power Winch—

Want a small portable winch, powered by its own gasoline engine? The new **Bejay Winch** is such a unit, weighing only 27 pounds—including engine. The little winch exerts a deadweight lift of 1000 pounds, and has a sliding-pull rating of 3000 pounds. The **Bejay** features a ratchet-stop, free spooling full-winch drum, holding 350-feet of 3/16-inch steel cable. A hand-brake with riveted lining allows complete control of the winch during use. It's small enough to attach to a car or truck bumper, tree, rock, or any solid object. Dimensions are 12½-inches long, 8¼-inches wide, and 13½-inches tall. The winch intrigues me because it can be used anywhere on the car or truck. Perhaps to pull your car out of deep sand, or to roll a big rock out of a 4wd trail—maybe even to winch a heavy boat out of the river onto the trailer. Search and rescue squads might find it practical for certain types of cliff-side lifting work. Priced at \$169.50, from Petro-Powered Products, 10437 Rush Street, So. El Monte, Calif.

#### Sanitary Chemicals—

Called the **Saniware-Six-pack**, this new product groups several chemical sanitizers in one package, designed to help the trailer and truck-camper solve the holding-tank problem. In this new kit are 12-ounces of deodorant and 12 sanitizing enzyme pellets, providing six full treatments for holding-tanks in normal operation. The new **Saniware Six-pack** is available for \$4.95, from Sani-ware Division, 1000 East 60th Street, Los Angeles 1, Calif.



## SPECIALISTS In Desert Land In ARIZONA

Write To Tell Us  
What You Have Been  
Looking For

HELMICH INVESTMENT CORPORATION  
601 Luhrs Bldg., Phoenix, Arizona  
ALpine 3-0713

**AUTHORITATIVE  
RING FROM  
THE OLD WEST**

**\$2.00 P.P.**  
You like it or  
you get your  
dough back

**R-  
TRIANGLE  
BAR-B-Q-BELL**  
Steel and leather . .  
for the decorator who  
has everything . . . The  
chef who has nothin' to call  
the guests to the festive board!  
Wonderful host-gift idea. Order today!  
The Trading Post--Deadwood, S. D.

#### TWELVE MONTHS

of Desert for a friend—  
only \$4.50 for a thoughtful gift

## FREE!

Helpful brochure  
for rock hobbyists!



This new brochure, fresh off the presses, is available without charge to rock hobbyists and readers of Desert Magazine. Special sections on sharpening, reversing and installation of diamond blades for better lapidary cutting...also includes useful tips on coolants, lubricants, speeds and feeds, and other suggestions on

how to get longer and better wear from your cutting equipment. Compact and easy-reading, well-illustrated. Write today for your copy.

Please mail me your free brochure, "Do's & Don'ts for Lapidary Cutting."

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State \_\_\_\_\_

DEPT. D-7



**Diamond Products**  
12600 Chadron,  
Hawthorne, Calif.

M. K. DIAMOND • SINCE 1866



COACHELLA VALLEY FROM SALTON VIEW IN JOSHUA TREE NATIONAL MONUMENT. PHOTO BY HARRY VROMAN.

# DESERT AGRICULTURE AND HUMIDITY

By **DALE R. HARRIS**

meteorologist, United States Weather  
Bureau

AND

**IRIS KRAMER**

secretary to the general manager,  
Coachella Valley County Water District

**I**N THE Coachella Valley, when the conversation turns to "weather" and gets much beyond the "nice day" stage, there inevitably follows a discussion about humidity. The consensus appears to be that humidity has increased markedly over the past few years, and that this is due

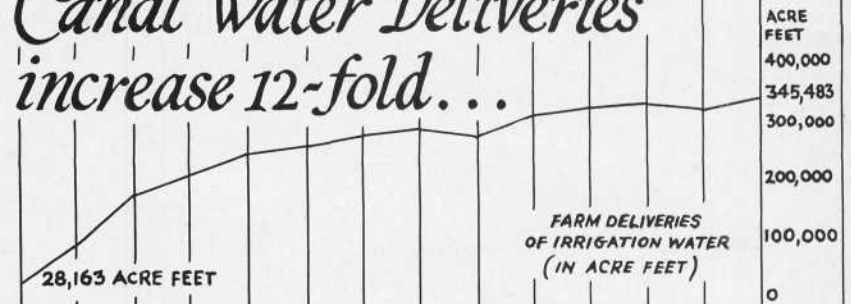




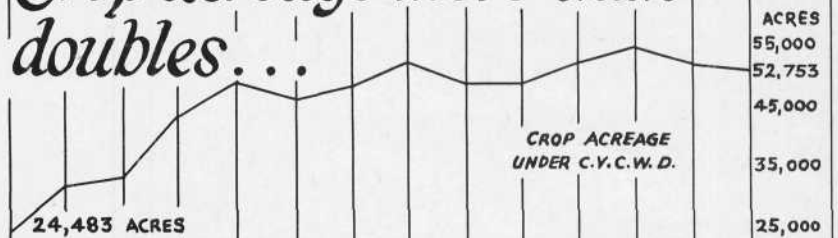
# *Humidity and Coachella Valley Agriculture*

YEAR 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962

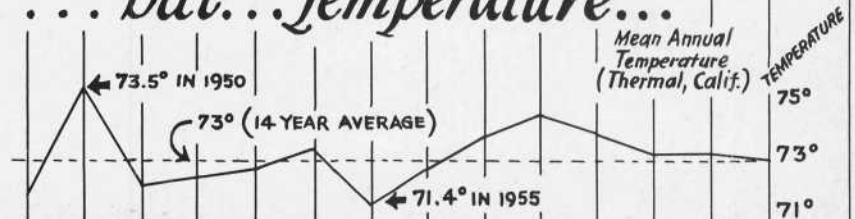
## *Canal Water Deliveries increase 12-fold...*



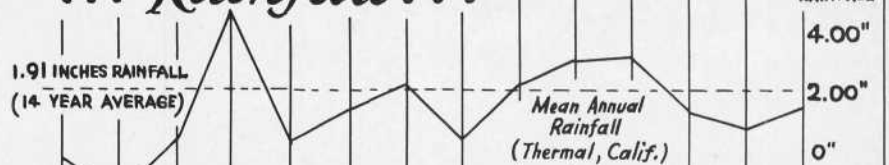
## *Crop acreage more than doubles...*



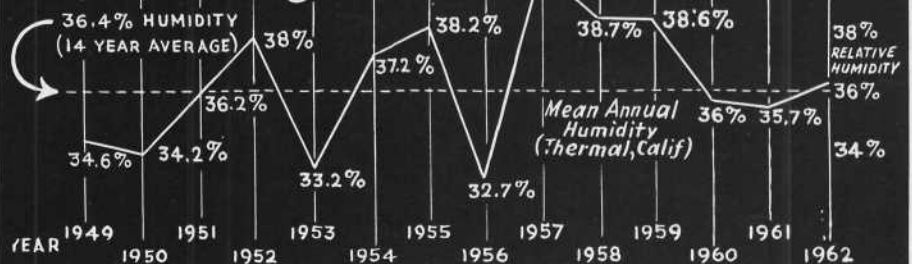
## *... but... Temperature...*



## *... Rainfall...*



## *... and Humidity fluctuate... Year to Year...*



to the local increase in agriculture and of irrigation. It is one thing to express doubt as to the validity of that opinion and another to present conclusive evidence to refute it, because humidity measurements have been meager and those observations that do exist had not been compiled.

With that in mind, the Weather Bureau Office at Coachella, in cooperation with the Coachella Valley County Water District, began a compilation of humidity observations from the weather records of the Federal Aviation Agency at Thermal. This station, established in January, 1949, one mile east of Highway 111,

# UTAH

## The Fabulous Land

for hunting, fishing and retirement is just being discovered. Properties of all kinds are available from 2½ acres to 1000 and the prices are low. Write for complete listing sheets. No obligation.

**D. W. CORRY REAL ESTATE CO.**  
Box 903 Cedar City, Utah



## "JUST HORSES" STATIONERY

60 sheets — 7½"x10¼" personal size — 4 delightful illustrations of "Just Horses" in full color by Bob Lorenz — 50 illustrated sheets plus 10 blank of white ripple-tone writing paper with 50 matching envelopes — plus a 7"x10" full color framing print of a sorrel Quarter Horse — all beautifully boxed! \$3.00 per box — postage paid — immediate delivery — money back guarantee! Send today for catalog showing western framing prints, stationery, notes, and desert Christmas cards.

## THE LAZY RL RANCH

DRAWER 1500-D  
BOULDER, COLORADO



### HICKORY FARMS OF OHIO "BEEF STICK"

"No Pepper"  
"No Garlic"  
"No Vinegar"  
"No Pork"

• FOR SPORTSMEN •

A MUST for Fishing, Hunting, Camping, Picnics, Boating, Packing Trips — Because of its long lasting freshness — will keep without refrigeration.

**Guarantee of Satisfaction  
and Safe Delivery**

No Charge for Mailing

**100% Pure Beef**

Hickory Farms of Ohio  
Western Division

P. O. Box 3306, Van Nuys, Cal.

Approx. 4 lb. beef sticks are \$5.98 ea. including all packing and mailing. Send check or money order.

Please ship me Beef Sticks at \$5.98 ea.  
New Customer Old Customer

To: \_\_\_\_\_

"GOLD MEDAL AWARD WINNER"

moved to its present location at Thermal Airport on May 8, 1950. Thermal Airport is located in the geographic center of the Valley, as well as the agricultural center. The instrument shelter is located on a small grassy plot, a standard Weather Bureau exposure, near the southwest corner of the hangar. The immediate area is paved for aircraft taxiing, therefore temperature and humidity measurements should represent free air conditions.

Weather observations were made every hour during the period 1949 to the present. Four observations per day, 4 a.m., 10 a.m., 4 p.m., and 10 p.m., were selected as being representative of daily humidity values. (Indeed, a sample, selected at random showed the difference between the mean of the four observations, and that of the mean of the 24 observations, to be less than 3%.) The number of computations in this study totals 20,482.

With annual rainfall approximately 3 inches, crops are irrigated by individually-owned wells or by water from the All-American Canal. Prior to the completion of the Coachella Branch of the canal in the late '40s, crop acreage was restricted, since the use of water from wells had produced a serious lowering of the watertable. The availability of canal water resulted in a rapid expansion of farming, and acreage serviced by irrigation water increased from 24,483 acres in 1949 to 55,510 acres in 1960. Total farm acreage increased from 34,727 acres in 1949 to 60,442 acres. This constitutes about 75% of the available land under the Water District's irrigation service facilities and approximately 44% of the total arable land of the Coachella Valley.

The amount of water distributed by the Coachella Valley County Water District increased from 28,163 acre-feet in 1949, to 345,483 acre-feet in 1962. The amount of water used for irrigation from individually owned wells is not available, but the number of wells in use increased from 1200 in 1936, to 3375 in 1962. Crops require about 6.5 acre-feet of water per acre, per year. This means, then, that nearly 400,000-acre-feet of water is required to support Coachella Valley agriculture.

It is understandable — with this amount of water applied to the soil and the enormous quantities of water released to the atmosphere by transpiration from the variety of farm crops — why many people have come to the conclusion that humidity is increasing. To say that there has been no increase probably is not

strictly true, but the magnitude of change is not detectable in the array of data. Annual humidity averages, when arranged in order of ascending values, show the maximum occurring in 1957—while the number of acre-feet of water used increased by 25%, and total acreage of farm land increased by 21% from 1957 to 1962.

Little or no relationship appears to exist between annual mean tem-

### MONTHLY AVERAGE, COACHELLA VALLEY'S MEAN RELATIVE HUMIDITY (1949-1963)

January . . . . .	49%
February . . . . .	41%
March . . . . .	36%
April . . . . .	33%
May . . . . .	30%
June . . . . .	27%
July . . . . .	32%
August . . . . .	34%
September . . . . .	33%
October . . . . .	35%
November . . . . .	41%
December . . . . .	47%

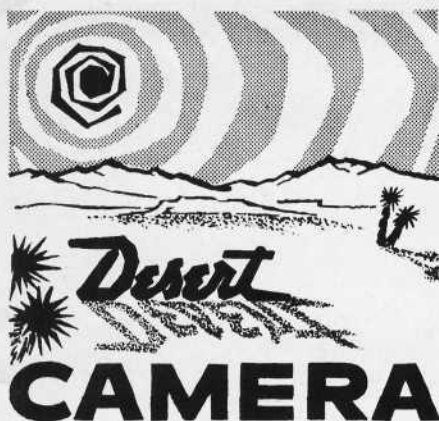
peratures and humidity, but there is a correlation between annual rainfall and humidity.

Since no correlation can be found between humidity and crop acreage, or between humidity and irrigation, it must be concluded that agriculture has not increased humidity. This is exactly as would be expected, for the total acreage under cultivation is exceedingly small compared to that of the surrounding valley and mountains. It should be noted too, that the Salton Sea, covering some 330,000 acres in the southern portion of the valley, and with an annual evaporation rate of 68 inches, exerts only a minor influence on Coachella Valley climate. Sand and desert vegetation extend to the water's edge, and temperatures are moderated only a comparatively short distance from the Sea. It would seem to us that this should put to rest, once and for all, the often heard statement that swimming pools are a contributing factor in the humidity!

Date gardens and cultivated fields moderate temperature and humidity only in the immediate vicinity and more often within their borders. When you observe the topography of the Coachella Valley and other irrigated desert valleys, and realize the tremendous volume of air flowing through them, when you note the mixing effects of mountain and valley breezes and the turbulence created by surface heating; then you realize that agriculture does not, and cannot affect the humidity of these great desert valleys.

///





Edited By Frank Jensen

The desert photographer has at his disposal a wealth of material that runs the gamut from human interest and outdoor action material to landscapes. Probably nowhere in the world, other than in the great Ameri-

#### INTRODUCING . . .

##### Desert Camera

For amateur and professional photographers the desert area of the Southwest is a land of contrasts and a continuing challenge. Where there are deep shadows and light one minute there will be brilliant color the next, only to fade in to a "no picture" within a matter of seconds.

Starting with the July issue Frank Jensen will edit our new "Desert Camera" feature. One of the best photographer-writers in the Southwest, Mr. Jensen will also have suggestions from other nationally known photographers, plus suggestions you might want to share with DESERT readers.

A resident of Cedar City, Utah, Mr. Jensen taught photography at the University of Utah and for seven years was a writer-photographer for a Utah metropolitan newspaper. He is now a free lance photographer-writer and is equally adept at handling a typewriter, still cameras and 16mm. motion picture equipment.

can deserts of the Southwest, is the scenery more striking, or the sunsets more brilliant. And the river rat, nomadic Navajo Indian, and cowhand are still very much a part of the desert scene.

It matters little whether you are equipped with a simple box camera, or have cameras, lenses, and acces-

sories that allow you to explore the full range of photography. The important thing is you enjoy creating a picture on film, and you want to share the results of your labors with others.

Here is one idea for a starter. Before you make that next trip to the desert, plan a few basic picture ideas in advance which you can incorporate into a film slide presentation, or make the layout in the family album something more than a conglomeration of snapshots. A trip to collect rocks, for example, if recorded on film, might include the following photographs:

1. Loading the family vehicle, with father handing picks and other paraphernalia to other members of the family.
2. Vehicle traveling a back country road. Include a distant shot of the 4-wheel or truck, a medium shot from 10-15 feet of the 4-wheel approaching, and a close-up in the jeep with the family in the foreground.
3. Hiking away from the vehicle, Junior in the foreground carrying rock collecting equipment.
4. Various shots of the family collecting. Include overall and medium shots of rock collecting, along with some closeups of rocks.

The photographer who wants to elaborate on this type of pre-planning can make up a complete script in advance, put his narration on tape (coordinated of course with his pictures), add appropriate musical background, and come up with a first class slide presentation. Or, if you are simply adding snapshots to the family album, put your pictures in chronological order, and use captions to tell the story.

This writer does not pretend to be an authority on any particular field of photography, but one who has recently graduated from the rank of advanced amateurs. Therefore, I feel I might appreciate the problem of the amateur photographer perhaps more than the "old pro" who has been in the business for years. This column also invites the comments of readers and their ideas and criticisms. Photographers who have a "feel" for the desert country should share their experiences.

Future columns will deal with such subjects as equipment care in the desert, motion picture techniques for the desert photographer, exposures, use of filters in desert photography, capturing human interest, and of course, ideas submitted by the readers. ///



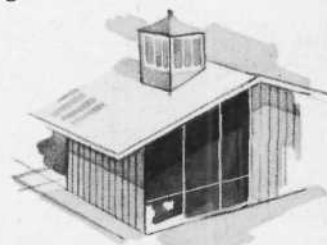
FRESH-AIR  
COOLING



**DESERT-PROVED**

*for more than 23 years*

A gentle breeze of fresh, cool air flows constantly into every room when you cool your home with an Arctic Circle V-Series Air Cooler. Patented Microglas liners on the cooling pads help keep out dust and pollen. For more than 23 years, Arctic Circle Coolers have led in features that assure better cooling at lower cost.



See the Yellow Pages  
for the Nearest

**ARCTIC CIRCLE**  
Air Cooler  
**DEALER**

... to Claraville





# and the Burning Moscow Mine

By **RICHARD C. BAILEY**

**S**CENIC AND historic stretches of country in California that can be termed "little known" are becoming increasingly hard to find. One of these lies just west of U. S. Highway 6, a few miles north of the growing city of Mojave. It is easily negotiable by modern automobile, even those with scant clearance. Extending roughly north and south

within the southern Sierra, it is accessible by a road once followed by colorful freight outfits that plied between Los Angeles and the Kern River Mines during the 1850s and '60s. Few tourists are aware of its existence, and the only persons likely to be encountered are local ranchers and occasional government rangers. As an additional lure, it might be noted that this is also the home of numerous abandoned gold mines and includes the forgotten sites of Sage-land and Claraville, burgeoning boom-camps of a century ago.

Eighteen miles north of Mojave and five miles south of Red Rock Canyon a large black-and-white high-

way sign on U. S. 6 points to "Jawbone Canyon, Kelso Valley 19." At this point an old oiled road branches into Jawbone Canyon, purportedly named from the discovery some years ago of the petrified jawbone of some ancient mammal. A short distance within Jawbone, Water Canyon approaches from the south. Considerable placer gold was recovered here by dry-washing during the 1890s. Straight ahead, a mile distant, is the great inverted siphon of the Los Angeles Aqueduct, one of the key sections in this 225 mile waterway. The aqueduct was completed in 1913 after five years of feverish labor. It skirts the eastern slope of the Sierra from

**PHOTO OPPOSITE: THE AQUEDUCT, WHICH CARRIES OWENS RIVER WATER TO LOS ANGELES, CROSSES JAWBONE CANYON. R. SCHULZ PHOTO.**



**ENTRANCE TO JAWBONE CANYON ON U. S. HIGHWAY 6, 18 MILES NORTH OF MOJAVE**

Owens Lake to the San Fernando Reservoir.

A short distance beyond the siphon is a small hill called Blue Point. Here the Daves Mining Company carries on one of the largest roofing rock operations in the state. Granulated fragments in all the variegated colors of the spectrum are milled and sack-

ed at this desert site for commercial distribution. The surrounding slopes are bathed in fairyland hues that seem to vary with every step of the sun's course.

At Blue Point the oiled pavement ends, and for the next 15 miles the hard-packed dirt road twists and turns and loops over rocky treeless

ridges until it surmounts the final rise overlooking Kelso Valley. This crest is at an elevation of 5000 feet. From here the descent is in easy stages to the valley floor, a thousand feet below.

Arid Kelso Valley is eight miles long and three miles wide at its widest point. Profuse growths of sagebrush and Joshua trees cover its surface, but a strong contrast is provided by the Piute Range which bounds the basin on the west. On its rugged slopes are magnificent stands of oak and pine.

When the whiteman first came to Kelso, he found the land "occupied" by the Kawaiiusu Indians, an offshoot of the Southern Paiute or Chemehuevi. Padre Garces encountered Kawaiiusus in nearby Tehachapi Valley in 1776, but referred to them as Cobaji. The Indians, however, called themselves Nuwu — "people." Neighboring tribes credited them with being powerful rain doctors, and among the Kawaiiusus the richest man automatically became chief. A few tribesmen still reside in and around the valley, but no tribal units or rancherias remain. Only pictographs on rocks in the surrounding mountains provide evidence of their former presence.

At the north-end of the valley the road gradually ascends to return to the 5000 foot level. Just over the crest lies the abandoned workings of the St. John Mine, dating back to 1867. The present road runs directly through the diggings which in the 1870s consisted of eight claims covering 160 acres. The exact amount of gold extracted here is unknown, but it was undoubtedly considerable. In its March 21, 1868 issue, the *Havilah Courier*, at Bakersfield, reported that "the St. John Mine, at a clean-up some weeks since, obtained \$7,500 after a week's run. The company obtained \$9000 at the clean-up, after a fortnight's run." Worked intermittently into the early 1940s, the property was finally abandoned due to water encroachment. The site is presently marked by extensive rock dumps around a series of collapsed shafts.

In Kelso Canyon, two miles below the St. John, is the site of Sageland—"trading center for the New Eldorado District." Sageland was established following the discovery of the St. John and several other promising strikes. Unfortunately, most of these prospects proved illusory, and by 1872 Sageland had retrogressed to a ghost camp.



LOOKING WEST ON THE ROAD WINDING DOWN TO THE BURNING MOSCOW MINE



WEATHERED TREE TRUNKS LIE ACROSS THE MAIN SHAFT OPENING OF THE BURNING MOSCOW MINE

#### About the Author—

Richard C. Bailey joined the Kern County Museum staff as assistant director in 1948 and became director in 1955, the position he holds today. A resident of Bakersfield, Bailey is "trail boss" of the Kern County Museum Explorers, a group which for the past five years has taken innumerable trips to historic sites in all corners of the county's 8000 square miles. He is past president of the Western Museums League and the Kern County Historical Society, and is presently chairman of the Fort Tejon Restoration Committee. He is also second vice president of the Death Valley '49ers.



At a spot near its lower extremity, Harris Grade stems off to the west up Piute Mountain toward Claraville. Located nine miles above Sageland at an elevation of 7000 feet, Claraville was born in the early 1860s. It was named for Clara Munckton, the first white girl in camp. But a pretty name does not insure success, and in the June 22, 1869, *Havilah Courier* a correspondent wrote, "...we passed the site of Claraville, once a beautiful village, but now totally deserted—over a dozen houses, neat and comfortable in appearance without a solitary tenant."

The buildings mentioned above have disappeared. The last remaining structure, a log-and-board justice court, was dismantled and trucked to Bakersfield several years ago where it will become a restored exhibit in the county's Pioneer Village. Though Claraville's brief springtime has passed, the oaks and pine that once sheltered the miners' cabins remain, while over along the course of Kelso Creek the placer working scars remain.

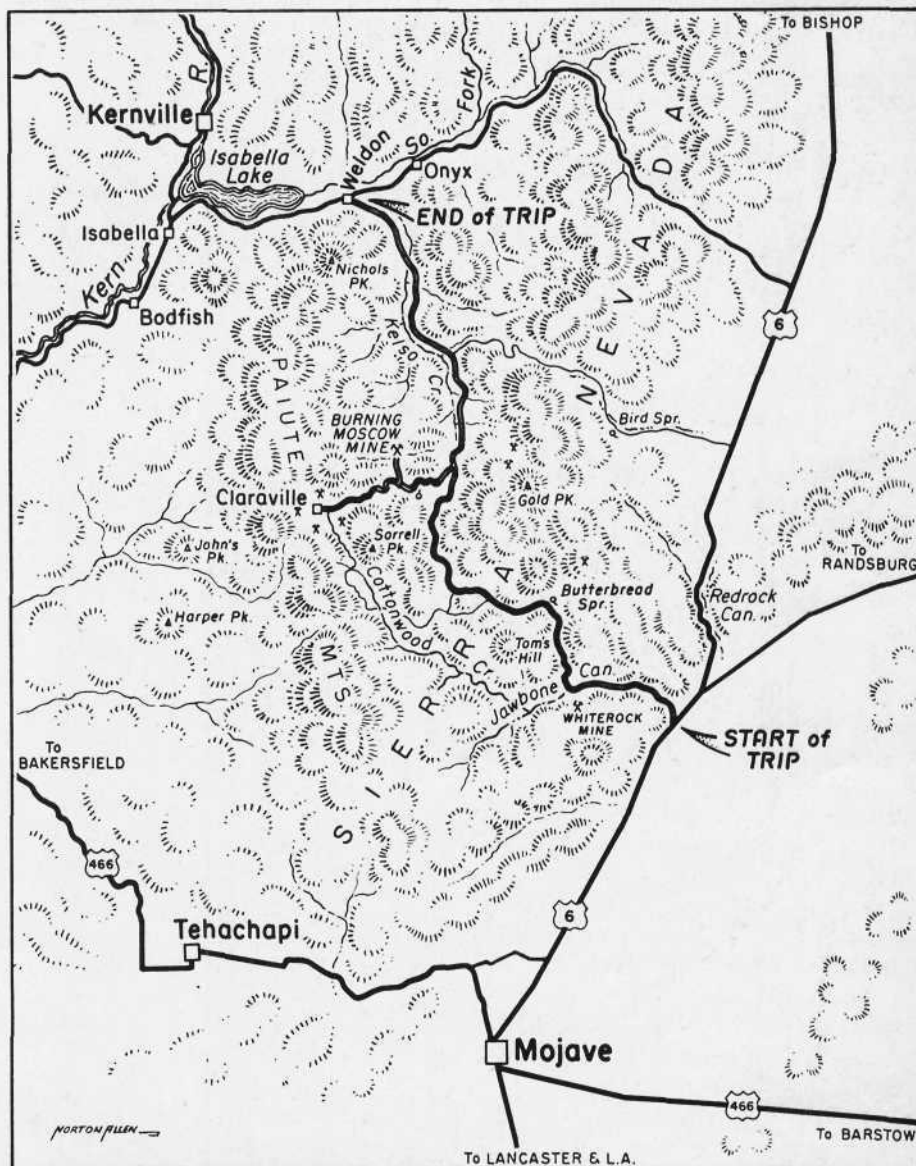
Three-and-a-half miles up Harris Grade from Sageland a small incised Forest Service sign gives directions to the "Burning Moscow Mine — 2 Miles." The rutted track leading down to this mine-with-the-intriguing-name is extremely steep and should be attempted only by those having vehicles with four-wheel power. Hardy walkers can make the four-mile roundtrip without difficulty.

Located in a gorge overlooking the same Kelso Creek that flows through the meadow 1000 feet above, the Burning Moscow was discovered in 1867, thus making it contemporary with the St. John. Originally known as Harrold's Mine, its name was changed to Burning Moscow for no apparent reason. Perhaps it was sheer whimsy! Irrespective of its name, the mine proved a rich one and continued to be productive for many years. According to a local informant, 1932 was the last year any work was conducted at the old diggings.

Today the main shaft lies about 100 yards from the foot of the access road, its opening partially covered by a few rough-hewn planks and tree trunks. The shoring appears unstable and the shaft should be approached with care. Lower down the slope toward the creek can be seen collapsed openings of drifts that are said to run deep into the precipitous face of the canyon wall. The miners who labored here must have enjoyed the magnificent panorama of the sur-



CLARAVILLE'S LAST BUILDING — THE JUSTICE COURT — ERECTED IN THE 1860s. SOON AFTER THIS PICTURE WAS TAKEN, THE EDIFICE WAS TRUCKED TO THE PIONEER VILLAGE AT BAKERSFIELD.



Continued on page 37



**IN THE MIDST OF MODERNISM, MANY SOUTHWEST INDIANS CONTINUE WITH THE OLD WAYS**

TOP PHOTO: New Mexico Indians still make adobe bricks by the "waffle-bed" method. LOWER LEFT: An Indian woman at the pueblo of Isleta, 12 miles south of Albuquerque, removes bread from a beehive oven. LOWER RIGHT: The Tewa speaking pueblo of San Juan is surrounded by the culture of the whiteman, but the horse-drawn wagon has not been replaced by the automobile.



# What Price Acculturation?

## A Report on the American Indians' Dilemma

**W**ILL THE Indians of Arizona and New Mexico lose their cultural identity under the impact of job opportunities, integrated schooling, and TV (the latter making its way into some of the most primitive dwellings)?

This question, in one form or another, has been troubling tribal leaders, social planners, and anthropologists for a good many years. The answer is by no means easy to come by.

It's a bit trite to say it all began with Columbus, but certainly it got a start with the covered wagon. All during the pioneer period, government agents, teachers, and missionaries worked among Indians on reservations and land-grants. Wells were dug, livestock controlled. A school was built here, a church there.

To the Indians, most of it was intrusion. They sat in their kivas and other council chambers, longing for "the good old days"—at least the days when there were no palefaces around. For the most part, their policy was one of passive resistance.

They accepted the water from the wells, saw their sheep and goats increased or reduced. They sent their children to school, and a few attended the "white man's kiva." But the tendency was to cling tenaciously to their own life-way, their own methods of religious expression.

Eighty years or more of this resulted in a stalemate. Four decades into the 20th Century, Indians of the Southwest were still living at a sort of "stone age plus" cultural level. And most of them were quite satisfied with it.

Then—Pearl Harbor! In the western sea. Beyond the sunset.

Whether palatable or not, this historic event changed a great deal —

abruptly, permanently — for Southwest Indians.

Enlistment of Indians began at once. Young men of many tribes went on the warpath with other Americans in every corner of the world. In military installations in all sections of the United States, Indians saw for the first time how their fellow-countrymen lived. They liked some of the things they saw — and were determined to adapt them at home after the war.

The biggest boon to acculturation in the Southwest, however, was Los Alamos, the "atomic city" in the Jemez Mountains near Santa Fe.

It was built during the war as a part of the nation's top-secret "Manhattan project." The location was within an hour's drive of five Indian pueblos—San Juan, Santa Clara, San Ildefonso, Nambé, and Tesuque. There was a manpower shortage, and Indians in these towns wanted jobs.

Many of them were hired. Men who were farmers and women who were pottery-makers couldn't do much that required technical skill, but they made good immediately, as janitors and chambermaids. Some took on-the-job-training for more advanced work. They were useful at Los Alamos because of two striking characteristics of their heritage—unfettered allegiance to the United States, and the ability to keep silent when told it was necessary.

Most of these Indians had never before held salaried jobs. Thousands of dollars in payrolls each week changed the whole concept of living for scores of them and their families. Men unsuited to the armed services

took floor-sweeping jobs at the project at \$150 a month. Women with husbands or brothers overseas made beds in the barracks at \$125. These wages were fabulous in their soil-rooted economy.

After the Japanese surrender, those who wished to remain were kept on by the post-war Atomic Energy Commission. They (and many new employees from the pueblos, of course) got the benefit of even higher salaries, due to several all-around pay increases.

Community improvement was a first demand. Tesuque, the pueblo nearest Santa Fe, provides an example of what happened.

Tesuque is a compact village in which nearly all the houses face each other around a ceremonial plaza. As is the case in all Indian pueblos, the political organization is theocratic. Since prehistoric times, power has been vested in a kiva council, a small group of male elders elected annually. Even though it was the younger people who were earning the big salaries, nothing affecting the whole pueblo could be done without consent of the council.

The old sages approved an electric line, but stipulated that every home in town must participate. Technicians were forbidden to put up poles in the plaza, or to run wires across it. Houses of the poor were wired free; thus, every family in the community benefitted by the council's decision.

Electric cookers, washing machines, vacuum cleaners, and curling irons became common household items at Tesuque. A few months after current was turned on, hardly a home was

without a radio. TV proved just as popular when it became available. Today it is commonplace in this village for men with shoulder-length hair and women wrapped in blankets to sit for hours watching the usual Hollywood output of detective thrillers, situation comedies, and "westerns." (Of the latter, those featuring Indian fighters get the most laughs.)

This is what has happened, with variations of course, in most Indian settlements of the Southwest in the past 20 years. The process is still going on. Taos and a few of the Hopi towns have resisted change, but not without damaging rifts between older and younger segments of population.

Pueblo Indians remain rooted to the soil—and the sacred dance plaza. Most of the men are still farmers, the women housewives. Relatively few take jobs too far from home to attend — and participate in — fiestas held with unceasing regularity throughout the year. Kiva councils from San Juan to Walpi cooperate by scheduling many of these events on Saturdays and Sundays. In fact, about the only ones not held on weekends nowadays are those in Tewa and Keres-language villages of New Mexico, in honor of Catholic saints whose feasts happen to fall on weekdays.

It's different with some of the other Indians of the Southwest. Many of the tribes have lost their ceremonies or are in the process of seeing them disintegrate. Often the young people take little or no interest in carrying them on. Most tribes, however, have encampments or gatherings of some kind at least once a year; at these, the old rituals are sometimes given. But many have no religious significance; they have become tourist attractions only, and there is in a few cases even a carnival atmosphere.

Emphasis on so-called "progress" has done much to bring this about. Mescalero Apaches of New Mexico, for instance, are now active in politics; their children attend integrated state-operated public schools. They have established a huge tribal enterprise at "The Summit," the highest point on U. S. 70 where it crosses the reservation between Roswell and Alamogordo.

They rent motel units in the shape of tepees, operate a well-equipped service station, with an arts-and-crafts shop and restaurant near-by. Once a year, around the Fourth of July, they hold a four-day encampment. The daytime events include baseball and rodeo. Each night the Crown

Dance (erroneously called the "Devil Dance") is held, and the year's crop of debutantes dance inside a ceremonial tepee. There is also a round dance, and visitors may join in the fun.

The dances themselves are authentic to the last detail of costume, and the whole after-dusk program takes place around a central bonfire. But there are also strings of electric lights, and hamburger stands and a loudspeaker to announce the numbers.

Other Indian events in the Southwest are staged with modern props, too. Notable are the Gallup Intertribal Ceremonial, the Flagstaff Pow-Wow, and several all-Indian fairs. But present-day Navajo "sings," along with Pueblo rituals, are something of an exception.

The Navajo reservation, largest in the United States, covers portions of New Mexico, Arizona, and Utah. Navajos have lost some of their richest ceremonialism under the pressures of acculturation in this century, but a few of the great healing rites remain. The Fire Dance, given at dawn on a winter morning in a setting of only sagebrush and burning logs, is as authentic and beautiful as ever. So is the Yeibechai, with its rhythmic, aesthetic dance of the Plumed Prayer-Sticks.

Just how long the ancient ways will last, even among the Pueblos and Navajos, is anybody's guess. The trend today is toward economic betterments, and along these lines there have been achievements.

Uranium, oil and gas were discovered on the Navajo reservation, and the tribe leases, under government supervision, much of its land to large-scale mining operations. Mining areas are also leased by Papago Indians of southern Arizona.

Papagos also flood the labor market in the vicinity with seasonal agricultural workers. A few have entered the cattle business. One source of income for poor Papago families is traditional sharing of money and goods by prosperous kinsmen. The magnitude of this "interfamily generosity" is not known.

At least two Southwestern tribes capitalize on the scenic splendors of their reservations. White Mountain Apaches of east-central Arizona run what they call a "reception enterprise," involving boating and fishing on their several high-altitude lakes. And Navajos are "selling" their sandstone monoliths and variegated desert vistas by developing roads and tourist accommodations in a spacious tribal park, comprising Monument

Valley and other parts of northeastern Arizona.

All this tends to bring the Indian of the region closer and closer to the ways of the "average American;" to an ever-increasing degree, he "conforms." But nothing has speeded the acculturation process so much as off-reservation employment, especially the government program known as "relocation."

There has been limited job-taking away from home for years. Hopis have had many kinds of work in Flagstaff, Winslow, and other Arizona cities; Navajos have found employment from Denver to San Diego. In the past decade or so, however, the Bureau of Indian Affairs has encouraged this sort of thing on a grand scale.

The purpose of the relocation program is to get jobs for Indians through regular channels in American industry. Those who enroll for training are sent, at government expense, to vocational schools in large cities of the nation. Many go to Los Angeles, but some are sent as far from home as Chicago, Cleveland, or New York. If all goes well, they are able to get jobs as skilled workers at salaries comparable to those paid non-Indians.

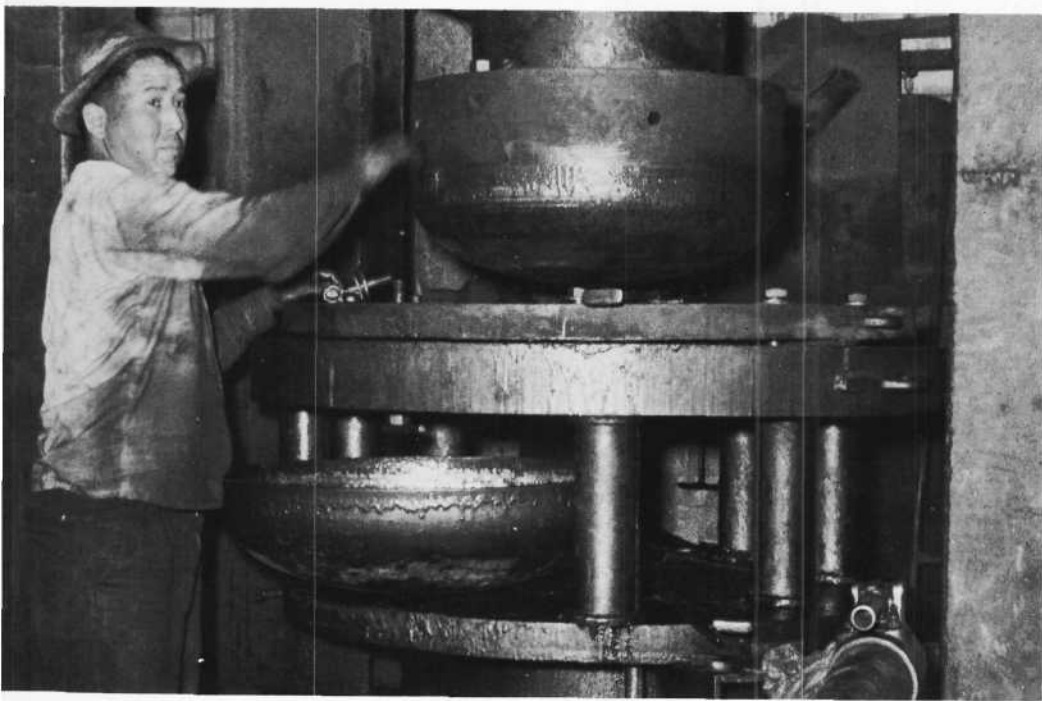
Then the government moves the family to the relocation center. At this stage the individual is considered "adjusted." Far removed from the ways of his forefathers, he and his family join the neighborhood church and any clubs or organizations they choose. The children attend city schools. Now thoroughly "conformists," they become Indian Babbitts.

This is the bright side of the picture, from the government point of view. Unfortunately, not all Indians can "adjust." Tales of Indians on "skid row" in cities across the nation have been with the relocation program from the beginning. Many return home disillusioned—examples of failure to bridge the gap from one culture to another.

Leaders in Indian Tribes throughout the Southwest say they want a higher standard of living for themselves and their peoples. They also express a wish to retain the old religious and cultural values which set them apart as Indians. From ancient times these values have been closely associated with the land they occupied.

The farther Indians stray from their land and the longer they stay away, the more of their cultural heritage they lose. The loss seems to be the inevitable price of acculturation.





#### NAVAJO INDIANS IN RELOCATION WORK IN WESTERN CITIES

TOP PHOTO: A young woman operates a window shade loom at a Sausalito, California, plant. Her background in native rug weaving contributed to her qualifying for this job. LOWER LEFT: The South San Francisco tank manufacturing firm hiring this Navajo regards him as one of its best employees. He has learned to operate about every piece of heavy equipment in the plant. LOWER RIGHT: A former Tuba City resident at work in a Los Angeles leather manufacturing company.



A POWER-BOAT CRUISES TO WITHIN HAILING DISTANCE OF GLEN CANYON DAM

# A LAKE IS BORN

*By Jack Pepper*

**W**HEN Major John Wesley Powell led the first expedition of whitemen down the Colorado River in 1869, the one-armed explorer carved the name of his expedition on a canyon wall 500-feet below the top of a perpendicular cliff. Undoubtedly the intrepid adventurer expected his name, like prehistoric In-

dian petroglyphs, to remain through the ages as a historic landmark.

Today it has disappeared beneath the dammed waters of the once turbulent Colorado.

Held back by the \$325,000,000 Glen Canyon Dam which was completed in time to catch this spring's runoff, Lake Powell protests and fights like a giant refusing to be tamed as it rises a foot a day, gradually inundating the canyonlands between Utah and Arizona. But tamed it will be. By 1966 it is estimated that one million visitors annually will seek relaxation in the Glen Canyon Recreation Area.

Containing some of the world's most fantastic scenery and geological formations, Colorado River canyonlands were formerly accessible by strenuous tours conducted by veter-

an river-runners. Today they may be viewed by easy-going lake boaters. Nevertheless, these colorful river-runners remain an active part of the scene.

In addition to contributing their experience and know-how to the National Park Service, these modern-day Major Powells, who know every crook and creek of the Colorado and its tributaries, will continue through this summer to make some of the river-runs in up-river waters. Veteran guides will also operate some of the new boating concessions and institute guided tours on the lake, providing the novice and non-boat owner with complete service and equipment.

(A list of these guides and their areas covered was run in the May issue of *DESERT*. Unfortunately, one of the pioneers and first to be granted a boating concession on Lake



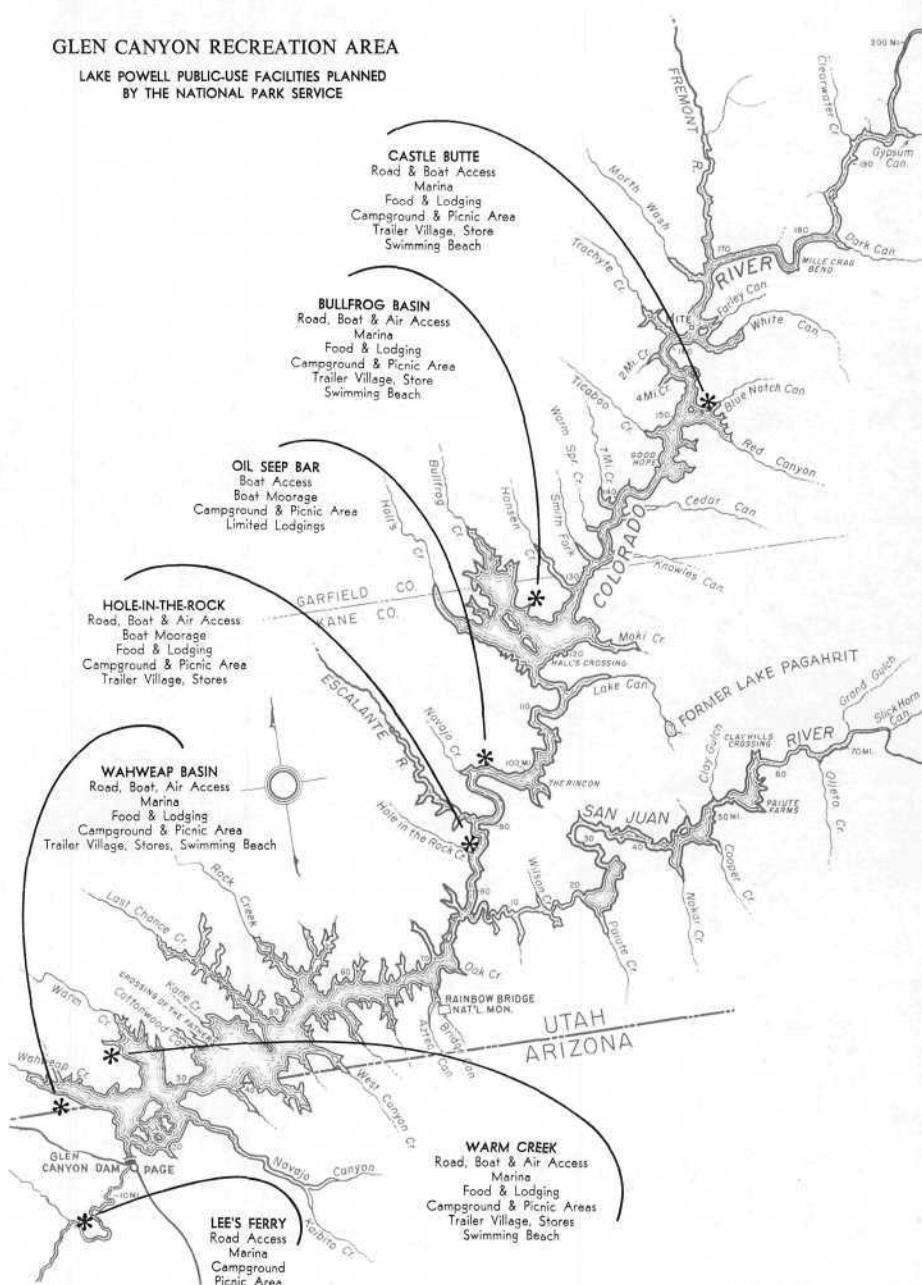
Powell, was omitted. He is Art Greene of Canyon Tours, Inc., Wahweap Lodge, P. O. Box 1356, Page, Arizona.)

Although Glen Canyon Dam, like its predecessor, Hoover Dam, which forms Lake Mead between Arizona and Nevada, was built primarily for water storage and flood control, it was realized that the lake would be a major tourist attraction. As a result, the Glen Canyon National Recreation Area was established by the United States Congress. It is administered by the Bureau of Reclamation and the National Park Service.

With headquarters at Wahweap, seven miles from Page, Superintendent James Eden and his able staff of the National Park Service are doing a superior job, considering the many unknown factors such as estimating how rapidly the water will rise and to what height at a given time.

"Public desire and demand for immediate development and expansion of recreational facilities to permit beneficial use of the maximum amount of Lake Powell's 186 miles of length is a real force," Mr. Eden explained.

"To meet this obligation, the Na-



### A Word of Caution

Officials of the Glen Canyon National Recreation Area and the veteran river guides caution boat captains to adhere to the following:

Be sure your boat is in excellent operating condition.

Carry sufficient fuel, plus an extra can for emergencies, as there are few boats on the lake.

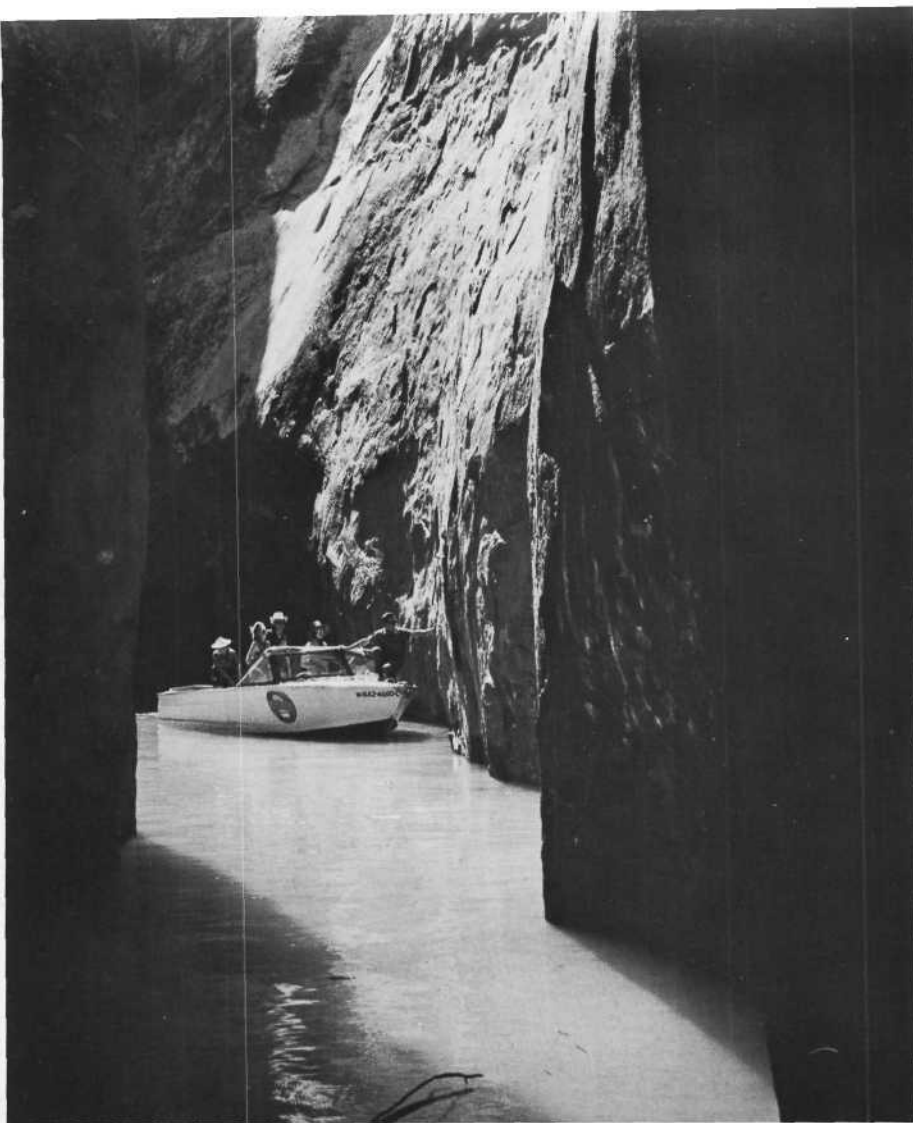
Inform operators where you launch your boat, where you are going and when you expect to return.

Check with informed sources relative to areas where you will find beaches and firewood, since the rising lake is constantly changing the complexion of the shoreline. Remember, much of the water area is still between sheer canyon walls.

Carry tools, water, food and a flashlight.

Watch for floating driftwood which may be prevalent while the lake rises.

For the protection of all concerned, water skiing will be prohibited this summer due to narrow channels and the driftwood problem. As soon as conditions change, it will be announced.



ALTHOUGH MYSTERIOUS INLETS SUCH AS THIS ONE WILL DISAPPEAR AS THE WATERS RISE, THE NEW LAKE WILL GIVE BOATERS A CHANCE TO SEE COUNTRY NEVER BEFORE VISITED BY WHITEMEN.



MR. AND MRS. J. W. STEVENSON, AND LLOYD JARVIS, OF INDIO, EXAMINE PETRIFIED WOOD THEY FOUND ON THE SHORE OF THE NEW LAKE. THE AREA ABOUNDS IN UNUSUAL ROCKS.

tional Park Service has planned for access, facilities, and services on the lakeshore at seven widely spaced locations: Wahweap, Warm Creek, Hole-in-the-Rock, Oil Seep Bar, Hall's Crossing, and Hite. In addition, floating docks and other public-use installations will be provided at the Rainbow Bridge landing, where visitors may disembark for the relatively short hike to Rainbow Bridge. Accessible now only by a combination of boat and hiking travel or a long horseback ride, this world famous natural attraction will receive vastly increased visitation as the filling of

#### Lake Powell Fishing

When going to Lake Powell take your fishing gear, but don't expect to find an Isaac Walton paradise this year.

In a coordinated effort, the U. S. Fish and Wildlife Service and the Game and Fish Departments of Utah and Arizona have planted approximately seven million small trout and bass in Lake Powell this spring. This is only the start of a program which will eventually make the lake one of the best fishing spots in the nation.

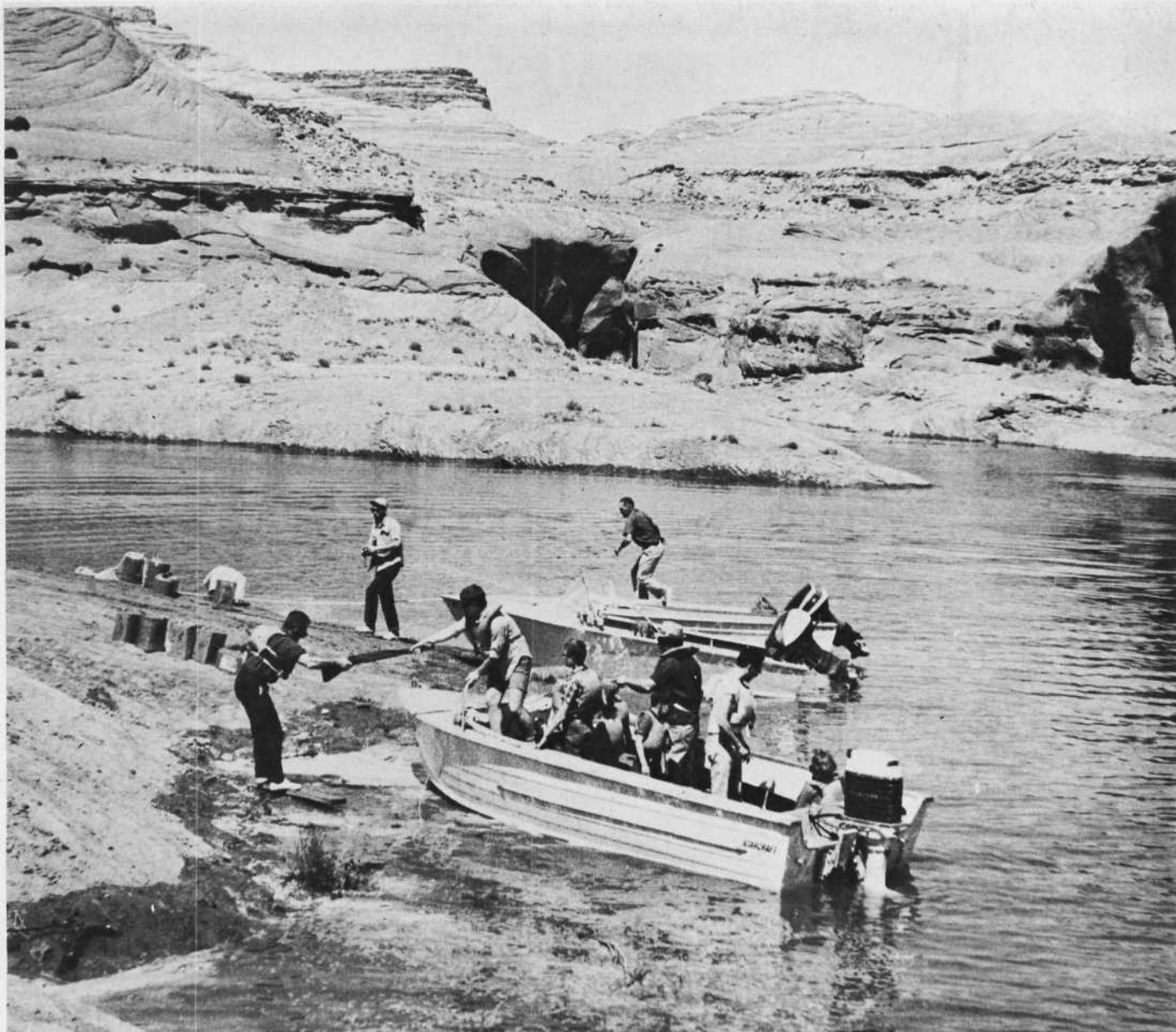
Officials warn, however, that the fish planted this spring will not be of catchable size until 1964. However, who can resist throwing a line into any body of water? After all, there's always a chance.

Lake Powell makes convenient travel by boat a reality."

It is estimated that \$16,000,000 will be spent during the next 10 years for the development of government facilities in the area. This does not include hundreds of thousands of dollars which will be spent by concessions for the development of the marinas at the six boat landings mentioned by Mr. Eden.

For a lake which will eventually stretch 186 miles—with 1800 miles of





BOATING EXPEDITIONS ARE ALREADY EXPLORING THE LAKE AND ITS MANY TRIBUTARY CANYONS. MEMBERS OF THE PASADENA POWER SQUADRON, WHO TOOK FIVE BOATS ON A THREE-DAY EXPEDITION, RETURN FROM THEIR JUNKET NEAR WAHWEAP.

shoreline—six major boating facilities, plus smaller emergency areas, does not seem many. The problem, officials explain, is getting to the launching sites by road. The Colorado canyonlands is one of the most rugged areas in the world. It is a land of sawcut canyons, towers, buttes, spires, sheer cliffs and domes carved from colorful sandstone formations by the forces of erosion through centuries of time. Anyone who visits the area will return, for it is breathtakingly beautiful. But for engineers it is not conducive to the building of roads. Hence, the relatively small number of launching sites.

As this article appears, temporary boat launching facilities are available on the north shore at Wahweap, seven miles from Page, Arizona, site of the Glen Canyon Dam. Art

Greene, veteran river-runner and owner of Glen Canyon Tours, Inc., which will operate the Wahweap concession, has built a floating boat landing which will gradually move as the lake fills until it reaches an area where he is building a permanent marina, to be one of the largest in the Southwest.

He recently completed a new motel overlooking the lake site and a restaurant and lounge to be leased by wellknown restaurateur Whit Parry, who also operates Parry Lodge in Kanab. Overnight accommodations are also available at Page.

Public camping grounds, parking areas, picnic areas and other facilities for visitors and campers are available at Wahweap through the National Park Service. These will increase as other areas develop.

It is possible that Castle Butte boating site, 147 miles upstream from the dam, may be in operation when this article appears. When water reaches this point it will have covered Hite, former site for launching river boats. For information relative to this area, contact the National Park Service, Glen Canyon National Recreation Area, Page, Arizona, or the professional guides listed in that area.

As stated before, professional guides will continue to arrange river-runs in this area for the final year during the summer of 1963. A copy of the May issue of *DESERT* containing their names and addresses may be obtained by writing to *DESERT*.

Other concessions mentioned by Mr. Eden probably will not be in operation before late summer or next year, with the exception of a floating



PASTEL COLORED CLIFFS OF THE COLORADO RIVER AND THE BUTTES BEYOND DWARF A BOAT AT KANE CREEK. WITH THE WATER RISING FIVE FEET A DAY, THE LAND IN THE FOREGROUND AND THE CLIFFS IN THE CENTER WILL SOON BE COVERED BY THE PLACID WATERS OF LAKE POWELL, AFFORDING VISITORS A SPECTACULAR VIEW OF THE BUTTES BEYOND.

boat landing at The Narrows, entrance to famous Rainbow Bridge, one of the scenic wonders of the world

**Officials warn there will NOT be fuel or other supplies at The Narrows or Aztec Creek. They are 60 miles from Wahweap and 100 miles from Hite or Castle Butte, so boaters should carry enough fuel for round trips.**

As water of the once wild Colorado River rises toward its 500-foot goal to form what will eventually be the largest man-made lake in America, many famous landmarks of the river will disappear forever.

#### "Wild Rivers" Study

As one stretch of wild river is being tamed, the Departments of Interior and Agriculture have turned their attention to the preservation and conservation of the nation's remaining "wild rivers" particularly suited to outdoor recreation.

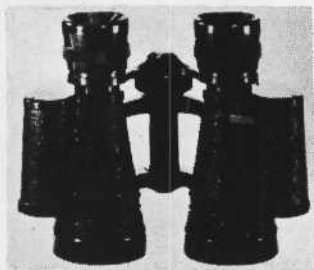
The Secretaries of Interior and Agriculture announced appointment of a five-man team to study the problem of shrinking wild river facilities and expanding public demand.

Conversely, as the water reaches into mysterious canyons, creeping into areas never before seen by white-men, it will disclose to exploring boaters exciting country seen for the first time. Who knows what prehistoric treasures lie buried in these once inaccessible canyons?

Undoubtedly there will be signs of prehistoric Indian cultures, maybe even bones of giant sloth and dinosaur which roamed the country millions of years ago. And, of course, there is always the possibility of finding the Seven Cities of Cibola and the never-discovered mythical — or were they?—cities with streets paved of gold. ///



**POWERFUL (7) BINOCULARS!**  
With COATED LENSES & C.F.



Full **SEVEN POWER BINOCULAR** will bring you **CLOSE-UP!** Extremely sharp and clear images for **BOTH** night and day viewing. Light-weight. Wonderful for: **BOATING, BIRD WATCHING, PLANE SPOTTING, RACING, etc., etc.,** Comes complete with sturdy leatherette case and carrying straps. **FULL MONEY BACK GUARANTEED!** Our **LOW LOW PRICE: \$10.95**

**R I T E W A Y — Dept. NP-88**  
**P.O.B. 5 HEWLETT, N. Y.**

**START NOW TO ENJOY THE  
FASCINATING HOBBY OF GEM  
AND MINERAL COLLECTING**

The Southwest abounds in gems and minerals. Start collecting now! Use the finest gem cutting and polishing equipment for maximum pleasure and profit.

Choose the finest—**HIGHLAND PARK**—arbers, tumblers, belt sanders, trim saws. 45 Models available.



Send 50c for beautiful illustrated catalog.  
**Highland Park MANUFACTURING CO.**  
1009-1015 MISSION ST. • SO. PASADENA, CALIF.  
DEPT. DM-8

**REMEMBER BIRTHDAYS** with  
a **DESERT** subscription . . \$4.50

## NORTHERN ARIZONA

Vacation in the beautiful scenic wonders, in the cool pines, of Oak Creek Canyon. Year 'round trout fishing at your door.

Photographers'  
Paradise



### Don Hoel's Cabins

"In the heart of Oak Creek Canyon"

24 completely furnished housekeeping cabins.

Write **DON HOEL**, Owner  
Oak Creek Route, Flagstaff, Arizona  
Phone AT 2-3560

20 miles south of Flagstaff, on 89A.

**ENJOY.. NEW MEXICO'S**

## INDIAN CEREMONIAL

**AUGUST  
8, 9, 10, 11**

**GALLUP, NEW MEXICO**

Write for Free  
List of Indian Books

**INDIAN CEREMONIAL**  
BOX 1029 GALLUP, NEW MEXICO



# COOL IDEA FOR DESERT ROOFING



**Even though** this home's regular roof is already completed—covered with paper and white rock—it can be made cooler. Additional 2x6 rafters are laid atop roof as shown above (two-foot or four-foot center spacing), and bolted together at hip. This provides the foundation for top covering of redwood or cedar strips.



**Photo above** shows the completed second roof. Large air-gap under 2x6 rafters allows plenty of cooling air circulation, which prevents build-up of heat inside attic. The 1x2 or 1x3 wood slats nailed to top rafters are spaced slightly apart to increase air circulation even more. Result is an extra air space, less heat load on the home, faster dissipation of heat. One thought to bear in mind: what if the regular roof leaks? How could it be repaired without having to tear out the second roof? In the Salton Sea area, where this home is located, the average annual rainfall is three inches—a leaking roof is a slight nuisance, at worst.

///



QUILLIAM SNOOPS AROUND FOR THE BEST TRAIL TO THE ARCH IN THE BACKGROUND

# SIGHTSEEING With a PORCUPINE

By A. T. RUGGERI

THE BEST Utah back-country guide I ever had was a porcupine. He offered no commentary, but showed me new paths through familiar ground. His name is Quilliam, and he literally fell into his job when he crashed out of a ponderosa pine and almost into the arms of my 11-year-old son, William, who joyfully adopted him.

For Quilliam, the boy-beast friendship developed slowly, but after consuming loaves of bread, pounds of carrots and as many rose petals as he could steal, the porcupine decided that bark was never so good, and home is where you eat best.

One day, William and Quilliam invited me to take a tour with them. I accepted, expecting a leisurely walk since I thought porcupines did nothing but waddle and grumble along. This is not so. They have adventuresome, galloping spirits. Also stubborn and determined, porcupines have intelligence that has been much underrated.

Following Quilliam, we scrambled up red rock domes near our Moab home, slid down through juniper-filled crevices, panting to keep up with our guide, who jaunted nonchalantly but constantly along. His speed and agility were surprising.



Occasionally he loped, and our trip might have ended as an unguided tour had Quilliam made less noise, but on rock his long black claws clicked like castanets; in brush he rustled and rattled every twig and dry leaf.

At one point, temperament overpowered him. He decided that the journey was over and flattened himself into obscurity beneath a stubby, twisted juniper which grew out of a fissure in a rock ledge. The creature refused to join us. William, undisturbed, merely said it was time to eat, produced from his pockets some dry bread and a carrot, which he put near the tree, and began to call softly "Here, Quilliam. Here Quilliam."

Soon our moody guide emerged. William explained that Quilliam can't resist bread and carrots, whereas an earlier porcupine friend he once had could be tempted only with tomatoes or seedless grapes.

Quilliam, sitting up on his haunches like a fat bear, munched on his carrot which he grasped in his forepaws. His bulging, black marble eyes showed no fear. What a singular creature! — a dark brown, square snout; two enormous tobacco-colored teeth; a hood of white hair — 15 pounds of cactus on legs.

Quilliam looked soft enough to stroke. But, William did not recommend it. Let strangeness touch one guard hair, and immediately Quilliam is transformed. His head tucked between forepaws, his back to the enemy, he now exposes thousands upon thousands of needle-sharp ready-for-action quills. He resembles an enormous cocklebur attached to a tail which lashes back and forth with such speed that the eye cannot see it, but the ear recognizes the sound of the whip.

Lunch over, our friendly hedgehog again led the way. This time, with a full stomach, his fat body rolled from side to side.

Down a metate-shaped sandstone mound, through some dry brush, and to the Colorado River's edge we went. Quilliam sniffed but would not drink—it seemed only a matter of curiosity to him—then through more brush and up a dirt hill to a fallen log. This he liked, climbed upon it, walked its full length several times.

After the animal had smelled, touched and tasted everything along our winding route, he led us home where in mournful tones he requested and got his pay—a loaf of bread.

///



EATING IS NO JOKE TO QUILLIAM



SUBSCRIBE TO *Desert*

(or Renew your subscription)

and save on this special 40-month rate!

Send to \_\_\_\_\_

☐ **40 months \$11**  
(Regular price of a  
3-year subscription)

Street \_\_\_\_\_

☐ **1 year \$4.50**  
(12 issues)

City \_\_\_\_\_ State \_\_\_\_\_

This subscription is New ☐ Renewal ☐ Gift ☐

(Sign gift card: \_\_\_\_\_)

☐ Remittance Enclosed ☐ Please Bill Me

Mail to DESERT MAGAZINE, Palm Desert, California

## KENT FROST CANYONLANDS JEEP TOURS

The Famous Utah Needles Country, Salt Creek, Angel Arch, Castle Arch, Historical Mormon Trail of 1880, Lake Powell Shore Line Area, Canyonlands Country: Including Land of Standing Rocks, Grand View Point, Upheaval Dome and Monument Canyon.

\$25 per day per person

For further information and reservations write:

Kent and Fern Frost, Canyonlands Tours  
295 Blue Mt. Drive Monticello, Utah  
Phone 587-2787

## OPALS and SAPPHIRES

Direct From Australia

This Month's Best Buy

### SPECIAL OFFER

MINE RUN SAPPHIRES

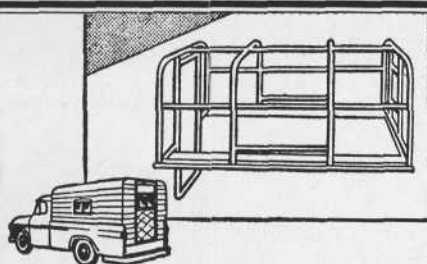
Blue, Green, Parti-Colours, Black Stars,  
Blue Cabochons — Mixed Lot, Ungraded

1 Whole Pound \$10.00 FREE SEAMAIL

Send personal cheque, international money order, bank draft. Free 16 page list of all Australian Gemstones.

AUSTRALIAN GEM TRADING CO.

294 Little Collins Street  
MELBOURNE, C.1. AUSTRALIA



## MACDONALD'S Camper Kit Co.

YOU CAN EASILY turn our kit into a complete, professional looking, well-built camper in just a few hours with simple hand tools. (Or complete line for the man who wants one assembled).

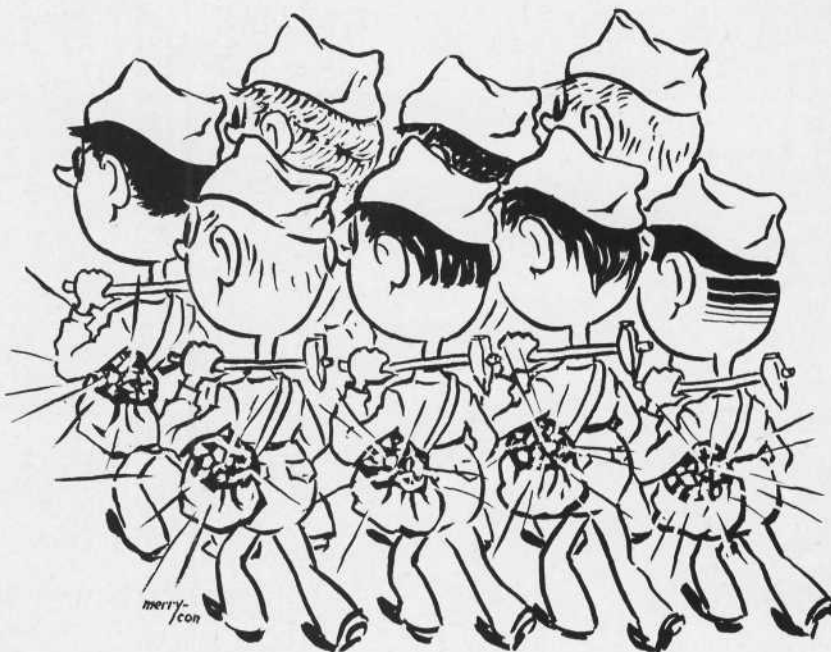
**STRONG STEEL TUBING** framework and beautiful heavy aluminum cover, scored for strength. Extremely light.

**FEATURES LARGE WINDOWS** and rear door; wide range of optional equipment and accessories to further enhance your camper.

Write or visit one of our 12 western plants:

### Macdonald Camper Kit Co.

EL MONTE 11015 E. Rush	SAN JOSE 1070 Elm	EL CAJON 501 Wile
HAYWARD 82 W. Jackson	VENTURA 181 West Main	OGDEN, UTAH 185 West 12th
SACRAMENTO 4865 Pasadena	EAST MESA, ARIZ. 9643 Apache Trail	
PORTLAND, ORE. 9215 SE 82nd	FRESNO 1525 Blackstone	
PUYALLUP, WASH. 207 Jovita N.E.	TUCSON 4952 Casa Grande Hwy.	



# BOOT CAMP FOR ROCKHOUNDS

BY SIDNEY PHILLIPS

MY FIRST experience with gem polishing occurred when I was in the army and generally making this a better world for some largely unappreciative relatives and some sweethearts named Suzie. I was the editor of the newspaper at Camp Haan, a sprawling, brave, eyesore of a mushroomed post dangling between Riverside and Hemet.

It was a typically new post; meaning that the accommodations weren't by Hilton, and the food . . . well no matter what the cook braised and baked and bruised and burnt it always came out stew! We also boasted a subpost in the desert, some 31 scorched miles from Barstow, called Camp Irwin.

The chaplain of our post came to me and said, "I understand that the morale is bad at Camp Irwin."

I blanched worse than any almond. Poor morale had lost more wars than Spam.

"Get out there once a week and organize some sort of newspaper," suggested the chaplain. "Get that morale up . . . or else. . ."

So I hurried by army truck to Camp Irwin and took a reconnoitering look through some of the hutments. I saw 800 pictures of lovelies in bathing suits. Morale was definitely critical!

I talked this matter over with the Commanding Officer, a Colonel who



had soldiered all over the world and had chronic indigestion to prove it. He said, "I have brought several gem polishing gadgets that I think will help keep the soldiers occupied in their spare time."

For an unguarded moment I regarded him as though he were an enemy spy. Gem polishing gadgets! That was in the same class with cutting out paper dolls! He saw the look and silently led me to the recreation hall, where several saws and tumblers and the rest were installed. "This might help," he said somberly. "That is if you exploit it a bit."

"I'll do my best," I promised, looking longingly at some nearby hills I felt inclined to head toward.

But I decided to give the matter a square shake. I doubled back to Barstow and spent some time there in the library. I also talked to a few prospectors, then returned to Camp Irwin and did a first edition of their paper largely devoted to the felicitous hobby of gem polishing. I blazoned that Camp Irwin was a most fortunate location: why grouped around it were beds of semi-precious stones and petrified palm root and even fossilized bones from million-year-old animals no longer with us.

I sort of intimated that the War Department had graciously set the post there so that the soldiers would have access to the valuables. Most posts had access to beer and girls and pizza and shooting-galleries and such commonplaces. But Camp Irwin nudged deposits of agate and opals and what-have-you. Who knows? There might be preposterous rubies around, or sapphires, or better yet.

The rookies were intrigued. Before, they had thought that rocks were just rocks and only suitable for throwing at Colonels the moment that a war ended. Their entire knowledge of gems was rudimentary and they likely thought they came polished right from the ground, were picked up and put into jewelry after a few strokes of jeweler's rouge.

The boys started to drift in, a bit self-consciously, and were given some of the fundamentals of making small prizes from big ungainly chunks of discolored stone. They took to it. Every soldier had either a wife or a slew of sweethearts who would appreciate gems. If he had neither, he certainly had a mother or sister, or a dog who might appreciate something decorative on his collar.

On Sundays, when they weren't mothering the anti-aircraft, the rookies would organize parties and, guided by some patriotic desert rat,

## V-8 POWERED JEEP & SCOUTS

When your rig is V-8 powered, your enjoyment is tripled. Sand, hills, mud are no longer obstacles. Highway travel is quicker, giving more time to roam the desert. Chuchua's adaptor housings are designed to make each installation easy and strong.

Adaptors are full bell housings, not plates, using 9½" input shafts making little or no firewall cutting necessary.

Priced from \$46.50 for all General Motors, Chrysler, and Ford and Mercury V-8's

Write today for FREE information  
BRIAN CHUCHUA'S

Four Wheel Drive Accessory Center,  
1625 Harbor Blvd., Fullerton 7, Calif.

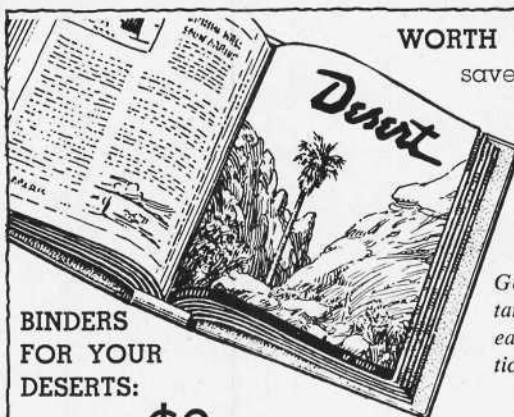
## UNDISCOVERED WEALTH!



Buried loot, coins, silver, gold, jewelry, battle relics! Transistor M-SCOPE detects them all. Used world-wide by experienced explorers since 1932. Exciting! Rewarding! Lightweight and supersensitive, the powerful M-SCOPE offers greater depth penetration, over 200 treasure - hunting days of battery life. Easy terms. Guaranteed. Write for the FREE illustrated booklet of fascinating customer experiences.

## FISHER RESEARCH LAB., INC.

Dept. 2C, Palo Alto, Calif.



BINDERS  
FOR YOUR  
DESERTS:

\$3 each

WORTH SAVING. 81% of our readers save their DESERTS for future reference and reading pleasure.

The best way to keep your back issues is in our attractive specially-made loose-leaf **BINDERS**.

Gold embossed on Spanish Grain Imitation Leather. Space for 12 magazines easily inserted. A beautiful and practical addition to your home book-shelf.

Mailed postpaid from:  
Binder Dept., Desert Magazine  
Palm Desert, Calif.

California residents please add 4% sales tax



## SECOND CAR?

Why not this versatile **DATSUN** Pickup instead! **DATSUN** offers you compact car maneuverability and economy up to 31 mpg. yet still lets you carry up to one ton in its big 6' x 4'8" bed. **DATSUN** delivers loaded with extras - WSW Tires, Heater, Defroster, Vinyl Upholstery, 4-speed Transmission, Torsion-Bar Suspension, plus a 12 months-12,000 mile factory warranty. Whatever your transportation needs - you can't beat this **DATSUN** Pickup for Economy, Dependability, Performance.

Only  
**'63 \$1,596**

**DATSUN**

does what the others do  
...but for less!

FOR VACATION FUN  
INEXPENSIVE CAMPER TOPS AVAILABLE LOCALLY



Send me literature and name of nearest dealer. Mail to:  
**NISSAN MOTOR CORP.** in U.S.A., dept. 6DM  
137 E. Alondra Blvd. Gardena, Calif. send information ☐ PICKUP

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

ATTENTION CAR DEALERS - Add DATSUN to your present line - inquire on a **DATSUN DEALER FRANCHISE!**

**NEW TOURS**  
Southeastern Utah  
Northern Arizona



## "AMERICA'S LAST FRONTIER"

**ALL-EXPENSE TOUR — \$250**

Round-Trip from Salt Lake City

**All-Expense—Six Days (five nights)—Jeep Trips  
Air-Conditioned Buses**

Every turn gives a vista of green-clad plateaus or flaming cliffs. Monument Valley and Capitol Reef National Monument, Arches National Monument, Dead Horse Point, Fisher Towers, Moab (Uranium capital), Natural Bridges, Goose Necks of the San Juan; Navajo, Apache and Hopi Indians; Kayenta and Tuba City, Glen Canyon Dam and Lake Powell (when complete), Escalante, Petrified Forests, Boulder City, Circle Cliffs. The entire 1253 miles a paradise for camera fans. Color for pictures at every season. **For details on this exciting tour write:**



**GRAY LINE MOTOR DEPT. 100**

29 West South Temple Salt Lake City 1, Utah

... your headquarters for a  
Southern Utah vacation

## San Juan TRADING POST

ON PAVED HWY. 47  
MEXICAN HAT, UTAH

22 Modern Motel Units . . . Guided Scenic  
Tours to Monument Valley and Fabulous San  
Juan County . . . Curio Shop, Navajo Rugs,  
Indian Jewelry . . . Cafe . . . Film, Camping  
Supplies . . . Service Station . . . Licensed  
Hunting Guides . . . Accommodations For  
Hunters During Deer Season.

Phone: 42, Mexican Hat, Utah

## EXPLORE UNDERGROUND

Years ahead METROTECH  
transistor locators. Detect  
gold, silver, coins and relics.

Write for free information to  
Underground Explorations,  
Box 793, Dept. 3A  
Menlo Park, California

## A HOBBY THAT PAYS

• WONDERLAND EXPEDITIONS • WONDERLAND EXPEDITIONS •

### BOATING/HIKING EXPEDITIONS

**ESCALANTE/GLEN CANYON  
AREA**

SEND FOR EXPEDITION LITERATURE

**WONDERLAND EXPEDITIONS**

Ken Sleight, River Guide

6575 South Main Bountiful, Utah

• WONDERLAND EXPEDITIONS • WONDERLAND EXPEDITIONS •

scurry out into the desert after rocky treasures. They came back with some interesting and occasionally valuable rocks. An enthusiasm gripped the post. Most of the soldiers were in a mood to trade in their rifles for prospector's picks. The good Colonel looked worried. The men didn't seem warlike enough.

While Camp Irwin in actuality was a self evident bit of purgatory, the gem polishing gambit proved as effective as the fence whitewashing trickery that Tom Sawyer practiced. Soldiers doggedly stood in line to get at the apparatus. Stones were compared, traded, sold, coaxed and mailed off. Some tired rookie spent three weeks cutting and polishing a brilliant gem, mailed it off to a girl named Trixie, and then had her air mail back that she coveted a necklace made of 90 such stones, all well matched. Sweethearts never knew what the soldiers went through!

News of the gem polishing bonanza poked back to Camp Haan. The soldiers there felt slighted. All that Riverside had to offer was the usual dissipations . . . but the stark desert had palmy gems!

There is no place in the world where rumors come up so quickly and acquire such validity as on an army post, and immediately there were fantastic stories circulating that a soldier (name unknown) had uncovered a precious gem weighing 80 carats and which made the Hope diamond seem hopeless. It was more than rumored that the entire Barstow area was paved with treasure.

The morale at Camp Irwin glittered! The overflow of this quality could have been bottled and sent to more lethargic army posts. Soldiers who prodigiously drilled all day, hiked in their off hours to find bigger and better stones. The post was alive with competition.

You can believe this or not—but the stones proved somewhat of a sublimation for the girls in the brief bathing suits. When the soldiers were shipped from Irwin to the Second Front, they fought like demons so that they could finish up the necklaces for Trixie and girls loosely called baby.

Because of his ability to instill morale, the Colonel ended up a cozy General. I added a stripe and along with it a lasting regard for the tantalizing art of gem polishing. It's a man-sized hobby!

Anybody for rousting up some rare agate? **///**

## REAL ESTATE BROKERS

### "BEST OF THE WEST" — an Exclusive Desert Directory

Write or phone if we can serve  
your desert real estate needs

#### ★ LA QUINTA

**Milton A. Hoffman**

Serving La Quinta Since 1934

P. O. BOX 306

DI 7-4441

#### ★ 29 PALMS

**Jack B. Renfro, Inc.**

Exclusive Property-Buy Direct

6495 ADOBE ROAD

367-2535

#### ★ PALM SPRINGS

**Tony Burke**

Acreage, Ranches & Golf Course Homes

P. O. BOX 910

324-3283

#### ★ BORREGO SPRINGS

**Carlson & Corey Co.**

Borrego & La Jolla Properties

XMAS CIRCLE

RO 7-5344

## WHEN YOU WRITE

... or phone in response to an ad in  
DESERT, it only takes a moment to mention  
where you saw it. The firm you are  
doing business with will appreciate knowing  
how you learned of them, and  
DESERT will be grateful for your support  
and friendship thus expressed.

### "THE WILSON SEAT"



PATENTED

This portable "bucket seat" cushion, affords better vision and contour comfort while driving. Made of tough, scuff-proof plastic with long wearing tufted fabric upholstery. Padded with cool, comfortable urethane foam. Winged side rests with adjustable elastic belts, give extra comfort and support to the weak areas of the abdomen and back. Reversible! Folds to carry under arm. Brings favorite chair comfort to car, station wagon, jeep, truck, boat, lawn chair, wheelchair, home or office. Available in red, white, blue, green, brown, black, grey, and beige. \$16.95 postpaid, from

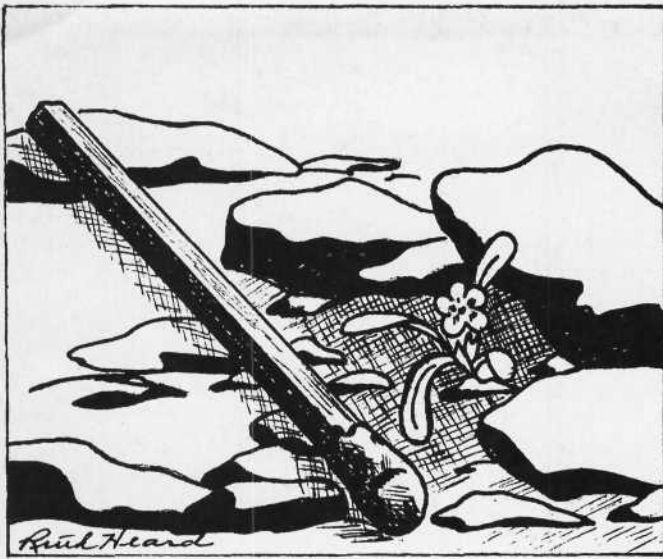
**Reynolds of Reynoldsburg**

Dept. D-1, 6799 Bartlett Rd.  
Reynoldsburg, Ohio

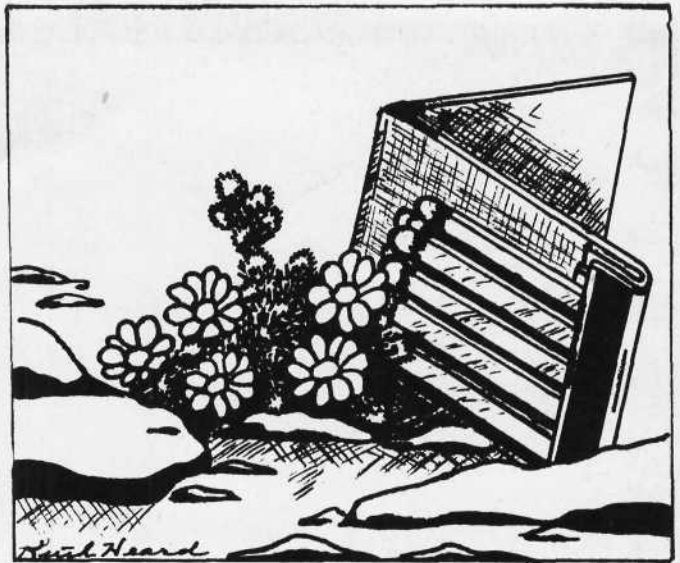
Sorry, no C.O.D.'s

Satisfaction Guaranteed





LITTLE WHITE FLOWER



MONOPTILON BELLIOIDES

THE DESERT'S vistas are giant. Mountain ranges a hundred miles away are "neighbors" on clear days—and here "the skies are not cloudy all day." Standing under the sky in some remote section of the desert, seemingly in the center of this great bigness, I feel the sting of a wind-whipped sand particle against my cheek. Then slowly there comes the awareness that all this great expanse is made up of millions of little things. Discovering these bits of the whole has led to hours of pleasure.

Our favorite plant is *Chorizanthe rigida*, not quite an inch high. (*Chorizanthe* will grow as tall as three inches, but on the Colorado Desert where I live, they seldom reach that height.) Their common name, Spiny Herb, is derived from the spines which cover the tiny branches. Leaves, which disappear early in the dry season, form a rosette around *Chorizanthe's* base. The little plants are green at first, but as summer approaches, they turn brick-red.

To come across a forest of these tiny shrubs in a setting of pebbles—which appear as huge boulders in comparison—is indeed a delight.



CHORIZANTHE RIGIDA

## NATURE'S LITTLE THINGS

By RUTH HEARD

Another favorite miniature of the desert, a true "belly flower" because one must lie prone to see it, is *Monoptilon bellioides*—Desert Star. An inch or so high, they wear beautiful white daisylike flowers with yellow centers. Desert Star is the most beautiful of all the little plants.

But, speaking of beauty, the *Nama demissum* rates a close second. This little charmer is commonly called Desert Mat because of its prostrate habit. It spreads out, covering an area one- to six-inches in diameter—completely ornamented with pink-purple trumpet-shaped blossoms.

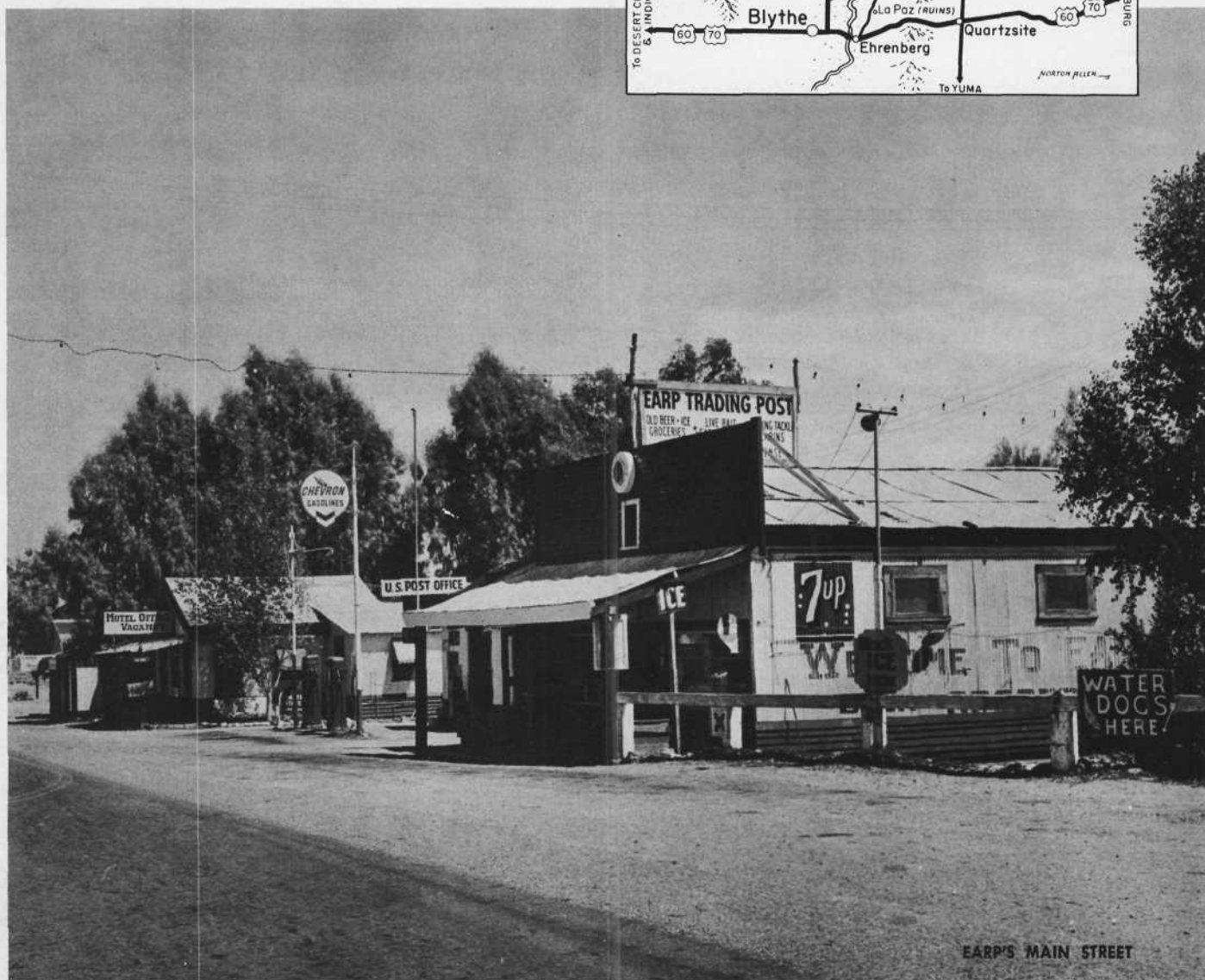
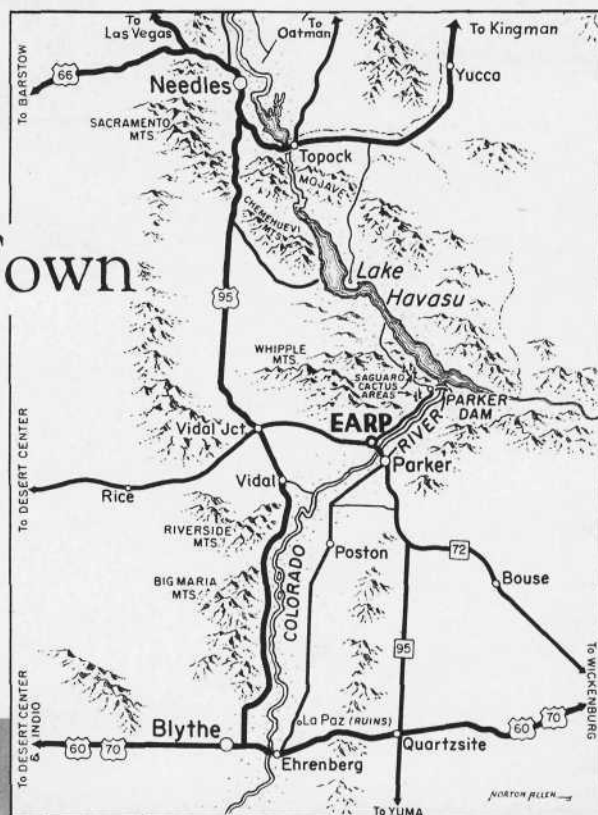
Many times the *Eriophyllum wallacei* (one- to four-inches high) keeps company with the *Nama demissum*. *Eriophyllum* is called Woolly Leaf because of its soft gray-white leaves and stems. The tiny blossoms, measuring less than a half-inch across, are bright yellow.

I wonder at the marvelous chain of events—the rain—the wind—the nutrients of the soil—that create my tiny friends. Standing under the great sky in this big land, I stoop to touch their beauty. In it is the bigness of life. ///

# EARP

## The Man and the Town

By PETER R. ODENS



EARP'S MAIN STREET



**A** HANDFUL of houses, a grocery, motel, trailer park, gasoline station and a post office—that is the town of Earp, located on the California side of the Colorado River midway between Needles and Blythe. Originally, Earp was called Drennan, but the post office changed names in 1929, at the request of residents and of the Santa Fe Railroad, to honor Wyatt Earp. The famous Westerner had settled in the little town in the 1880s. But, many residents of Earp have made it clear that they are not altogether happy about the association with the man who was called a pioneer, peace officer and miner by some, a cut-throat, gambler and murderer by others.

A jeweler in Needles still remembers Wyatt Earp, but Alfred Williams has no use for the man who has become the great hero of television. "He was a bulldozer," Williams told me, "and he was dirty, too."

It was rumored in Needles that Williams had had an altercation with the great Earp. "Is it true," I asked Williams, "that Earp told you to stay out of his way but that you refused and that, in the end, he was the one who made a detour around you when he met you in the street?"

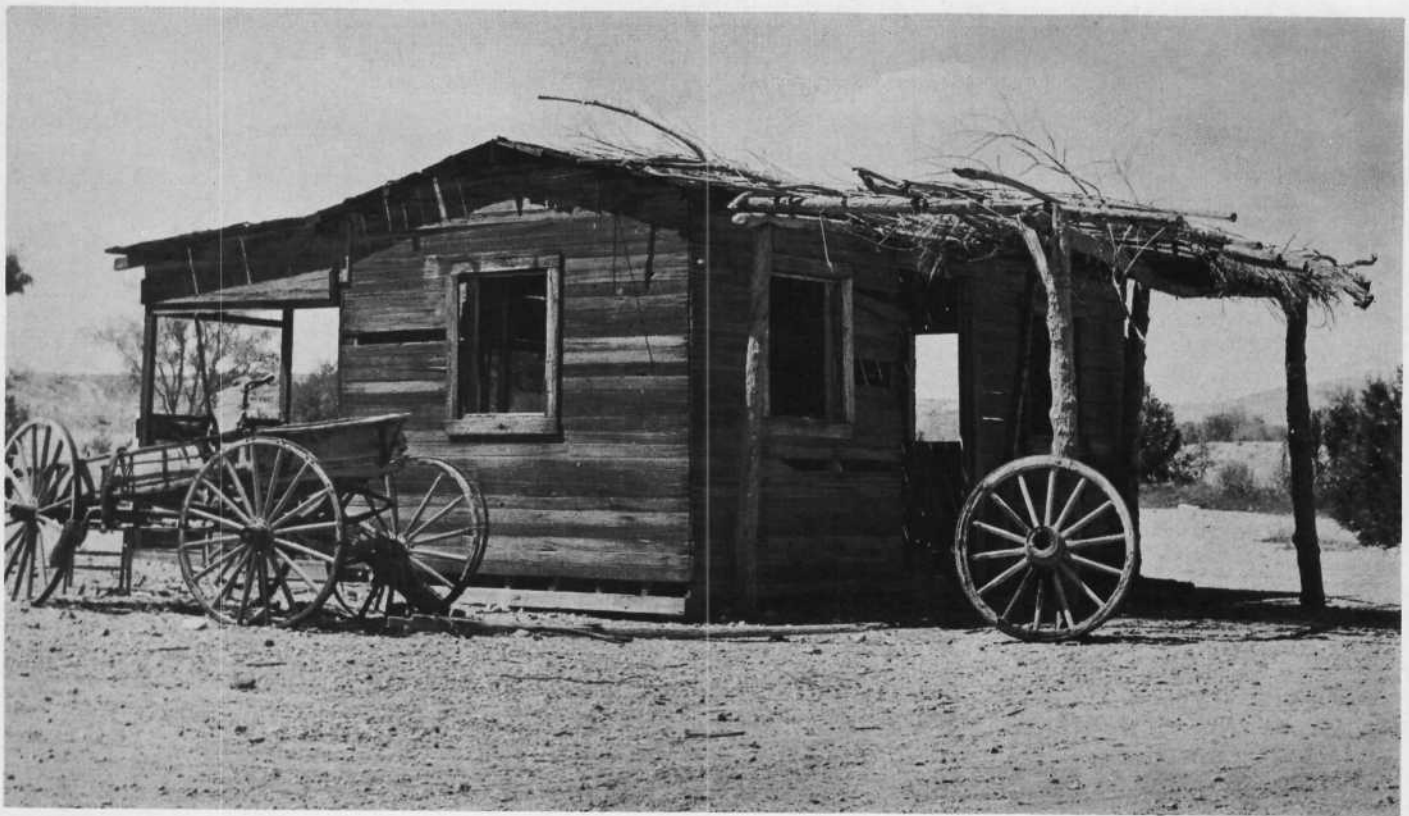
The slight, elderly jeweler bent deeper over his watches. "It wasn't that way at all," he said, but refused to elaborate. A reporter had once written an unauthorized article about the affair, and it had caused Williams "no end of trouble." All he would disclose was that Wyatt Earp had been a "bulldozer" and that he had been "dirty, too!"

What are some of the facts about Earp the man? He was never marshal of Dodge City, but was an assistant marshal from May to September, 1876, and again from May to September in 1879. His own claim that within one month of 1877 he made over 400 arrests is not borne out by fact. During the month in question, Earp was not even a peace officer. On the contrary, he was among those arrested. His offense—brawling with a dance hall girl.

Earp knew how to blow his own horn. He found a willing stooge in Sheriff "Bat" Masterson, who far from being a crack marksman, was such a poor shot that he had to rely on his cane, from whence came his nickname. Perhaps this explains why Masterson thought so much of his buddy's prowess as a sharpshooter that he assured the world that Earp could hit a coyote at 400 yards with his .45 Colt, a ridiculous claim considering that one would have had to



WYATT EARP WHEN HE WAS IN DODGE CITY. PHOTO: COURTESY TOM G. MURRAY COLLECTION.



THE CABIN WYATT EARP ONCE LIVED IN

A STREET NAME THAT PAYS TRIBUTE TO A HANDY MAN WITH A CANE



shoot in a trajectory arc using the old gun and the powder of the time.

After his exploits in Dodge, Earp set out for Tombstone, Arizona, where the silver rush was on. Masterson, who had found out much to his dismay that the townspeople did not care for him as a sheriff, followed to the silver fields accompanied by Earp's brothers, Jim and Morgan. Also in the same company was a dentist, gambler and cut-throat named Doc Holliday—heroes all!

The story of the famous fight at the O.K. Corral in Tombstone has been told too many times for repeating here. Suffice it to say that the citizens of Tombstone did not care for the way the Earp gang did its fighting.

Soon after the O.K. affair, Earp hopped over the border to California. In present-day Earp there is a street named in honor of Bat Masterson and another after Doc Holliday. In a corner, a couple of hundred yards from the highway, stands the 20x25-foot shack in which Earp lived. An old wood stove is in the shack, a couple of wagon wheels outside. Close by is Earp's old corral.

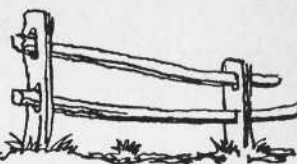
The residents of Earp like to think that the man who was honored by having their town named after him, is the image of a peace officer, the ideal of a great pioneer of the 19th Century, such as we see Earp portrayed on television; rather than Wyatt Earp as he really was. ///





# TRADING POST

## CLASSIFIEDS



### • How to Place an Ad:

- Mail your copy and first-insertion remittance to: Trading Post, Desert Magazine, Palm Desert, Calif.
- Classified rates are 20c per word, \$4 minimum per insertion.

### • AUTO - TRUCK - CAMPER

DODGE, '42 weapons carrier, 3/4 ton, 4-wheel-drive, new airplane tires, enclosed body. Motor, chassis excellent. \$600. Slocum, 5893 West 74th St., Los Angeles. OR 25370.

### • BOOKS - MAGAZINES

READ THE Prospector's Guide. Tells how and where to prospect for minerals, etc. Send for application to United Prospectors, Auberry, California.

BOOKS: "PANNING Gold for Beginners," 50c. "Gold in Placer," \$3. Frank J. Harnagy, Box 105, Prather, California.

OUT-OF-print books at lowest prices! You name it—we find it! Western Americana, desert and Indian books a specialty. Send us your wants. No obligation. International Bookfinders, Box 3003-D, Beverly Hills, California.

"GEMS & Minerals Magazine," largest rock hobby monthly. Field trips, "how" articles, pictures, ads. \$3 year. Sample 25c. Box 687J, Mentone, California.

NATIONAL GEOGRAPHIC Magazines, 1888-1961, any issue, maps, bound volumes. Free literature, "Geographic Hobby," price lists, circulars on books about collecting geographics. Periodical Service, Box 465-DE, Wilmington, Del.

WESTERN GEM Hunters Atlas—all three of those popular gem atlases combined in one big book, 93 full page maps with rock hunting areas spotted in color. Complete coverage of 11 western states, plus parts of Texas, South Dakota and British Columbia. Type of material, mileage and highways are shown. Price: \$2.50 postpaid. Scenic Guides, Box 288, Susanville, California.

LEARN ABOUT gems from Handbook of Gems and Gemology. Written especially for amateur, cutter, collector. Tells how to identify gems. \$3 plus tax. Gemac Corporation, Box 808J, Mentone, California.

NEVADA TREASURE Hunters Ghost Town Guide. Large folded map. 800 place name glossary. Railroads, towns, camps, camel trail. \$1.50. Theron Fox, 1296-C Yosemite, San Jose 26, California.

"THE BOTTLE Trail" Volumes I and II. Pioneer bottle histories. Each: \$1.65 postpaid. Mrs. May Jones, P. O. Box 23, Nara Visa, N. Mex.

TRUE WESTERN books: "William Clarke Quantrill," by Castel, 250 pages, \$5. "The Dalton Brothers," by an Eyewitness, 247 pages, \$3.50. "Villians and Vigilantes," by Coblentz, 253 pages, \$3.50. Jamison Book Sales, 5626 Junius, Dallas 14, Texas.

"IT HAPPENED In Montana" a hard-back reprint of three volumes of cartoons by artist-historian Jim Masterson. \$3.15 postpaid. Star Printing Co., Miles City, Montana.

EARTH SCIENCE. Interesting articles on geology, minerals, fossils, etc. Subscription \$2.50. Sample 35c. Box 1357-D, Chicago 90, Illinois.

BURIED TREASURE & Lost Mines, by Frank L. Fish, authority on buried treasure. This fascinating hobby pays off! Book contains 68 pages of true treasure locations, 20 photos and illustrations, and vital information to help you search for hidden wealth. Book: \$1.50 postpaid. Beautiful four-color 19x24" map, showing book locations, suitable for framing for den or study, \$1.50 postpaid. Special offer: book and map, \$2.50 postpaid. Amador Trading Post & Publishing Co., L. Schaefer, 14728 Peyton Drive, Chino, California.

WORLD'S LARGEST book and magazine listing 35c. Unlimited selection, gigantic discounts. Large assortment of mail order publications with hundred of amazing offers, 30c. Astonishing moneymaking, self-help catalogs included free. Rhodes, 411-DE Davidson, Indianapolis 2, Indiana.

DESERT MAGAZINES—complete set first 25 volumes in Desert binders, good condition. Make offer. Theo K. Miller, M.D., 2140 Coronado Avenue, Napa, California.

COWBOY POLO—most exciting game played on horseback. Rule book, \$1. R. B. Bush, 7043 North Second, Albuquerque, New Mexico.

### • DESERT STATIONERY

HENRY MOCKEL'S colorful desert and cactus flower notecards. Dozen: \$1.50, envelopes included. Pioneer Art Gallery, Box 726, Twentynine Palms, California.

### • EQUIPMENT - SUPPLIES

QUALITY CAMPING and mountaineering equipment. Down sleeping bags, lightweight tents, boots. Free catalog. Highland Outfitters, P.O. Box 121, Riverside, Calif.

LIGHTWEIGHT TENTS, packs, sleeping bags. We manufacture the world's finest complete line of camping and climbing equipment. Big new catalog 10c. Gerry, Dept. 22, Box 910, Boulder, Colorado.

DESERT HIKING, lightweight camping and mountaineering equipment: An excellent selection of quality equipment and food at reasonable prices. Efficient, personalized service. Write for free catalog. Sport Chalet, 951 Foothill Blvd., P. O. Box 186, La Canada, Calif.

### • FOR WOMEN

LADY GODIVA "The World's Finest Beautifier." Your whole beauty treatment in one jar. Write: Lola Barnes, 963 North Oakland, Pasadena 6, California.

### • GEMS, CUT - POLISHED

OPAL CABOCHONS, Gemmy, 25c each; with good fire 45c each. Ten minimum. Phil Kendall, Apartado 80, San Miguel de Allende, Gto. Mexico.

NELLIE BASSO Minerals. Local gem material and jewelry. 675 12 Street, opposite public swimming pool. Lovelock, Nevada.

APACHE TEARS, polished to make jewelry or what have you, 10 for \$1, postpaid. William's Rock Jewelry, 2606 North 7th St., Phoenix, Arizona.

### • GEMS, DEALERS

CHOICE MINERAL specimens, gems, cutting material, machinery, lapidary and jeweler's supplies, mountings, fluorescent lamps, books. Sumner's, 21108 Devonshire, Chatsworth, Cal.

DESERT ROCKS, woods, jewelry. Residence rear of shop. Rockhounds welcome. Mile west on U.S. 66. McShan's Gem Shop and Desert Museum. P.O. Box 22, Needles, California.

RIVERSIDE CALIFORNIA. We have everything for the rock hound, pebble pups, interesting gifts for those who are not rock hounds. Minerals, slabs, rough materials, lapidary supplies, mountings, equipment, black lights. Why not stop and browse? Shamrock Rock Shop, 593 West La Cadena Drive, Riverside, Calif. Overland 6-3956.

### • GEMS, MINERALS - FOSSILS

FOSSILS: OVER 2000 species! New, 60 page, 1963 catalog, 50c (stamps OK). Sets: phyla, time periods, preservation types, etc., \$3 to \$10. Wholesale, retail. Buying, exchanging fossils, too. Malick's Fossils, 5514 Plymouth Road, Baltimore 14, Maryland.

POCKET GOLD, rare, crystalized, \$2. Placer gold \$2. Gold dust \$1. Goldbearing black sand \$1. Attractively displayed. Postpaid, guaranteed. Lester Lea, Box 1125-D, Mount Shasta, Calif.

FRESH TIGER sharks' teeth, average 1", 50c each, \$3 per dozen. Also, fossil sharks teeth, average 3/4", 25c each, \$1.50 dozen. Ray Giger, 1644 Monterey Blvd., Hermosa Beach, Calif.

TEN FOSSILS \$1. Fossil fish \$2. Trilobite \$1. Five sharks teeth \$1. Five dinosaur gizzard stones \$1. Catalog 30c. Geological Enterprises, Box 926, Ardmore, Okla.

EMERALD, RUBY, Aquamarine, Topaz, specimens, plus hundreds more, and the finest rough gemstones, reasonably priced and guaranteed. Free lists. The Vellor Co., P. O. Box 2344 (D), St. Louis 14, Missouri.

NATURAL PLACER gold, fine, medium, coarse, your choice, \$45 troy ounce. Certified check, money order. Snowshoe Trout Ranch, Avon, Montana.

SLAB BAG! \$10 value for \$7.50. Includes lapis, rhodochrosite, jade, and many others. Money back if not satisfied. Mother Lode Gems & Minerals, Route 1, Box 1510, Meadow Vista, California.

UPPER DEVONIAN fishes known as Bothriolepis from the locality of Scaumenac Bay, Quebec. They are available from \$5 to \$15 each. Fossil Fishes Unlimited, 397 Alphonse St., Rochester 21, N. Y.

FROM GEORGIA—deep sea green talc, mineral specimens of striking beauty. About 3x5". \$2 each, postpaid. Douglas Minerals, Box 132, Albemarle, North Carolina.

### • GEMS, ROUGH MATERIAL

THIRTY MINERAL and crystal specimens, individually wrapped and identified, \$5. Fifty, \$10. Satisfaction guaranteed. Green's, 6552 Vrain, Arvada 3, Colorado.

## MORE CLASSIFIEDS

# TRADING POST

## CLASSIFIEDS

Continued from preceding page

**BEAUTIFUL CUT** or rough Australian fire opals sent on approval. See before you buy, from one of America's largest opal importers. Free list. Walker, 20345 Stanton Ave., Castro Valley, California.

**JADE FROM** Covelo Jade Mines, \$2 pound, in five pound lots plus postage. Slabs, 50c square inch. Will consider sale or lease of mine. Route 1, Box 136, Covelo, California.

**HUMBOLDT ROCK SHOP**, 12 Main Street, Fortuna, California. Lapidary equipment, tons rough gem material, jewelry, custom sawing. Closed Saturday.

**MEXICO AGATE** specials: Black lace, yellow and red sagenite, flame, small moctezuma, choice \$1 per pound. Postage, please. Lovelace Rock & Mineral Shop, 2610 Armory Road, Wichita Falls, Texas.

**NEW FIND!** Lavender scenic wonderstone, takes beautiful polish. Often cuts scenes of hills, valleys, lakes, sunsets, highways, sand dunes and others. Best we have ever seen. 8 pounds for \$5 postpaid. Ricolite Gem Co., 700 South Espina Street, Las Cruces, New Mexico.

### • HOME STUDY

**LEARN JEWELRY** Making at home. Inexpensive Art Metalcraft course teaches how to make all types cuff links, earrings, tableware, etc. of silver, gold, copper. Send postcard for free booklet. Interstate Training Service, Dept. L-1, Portland 12, Oregon.

**LEARN NATURALISTIC** oil painting by correspondence. Amateur and advanced. Forty point critique of each painting. Walker School of Art, Box 486, Montrose 1, Colorado.

### • INDIAN GOODS

**INDIAN PHONOGRAPH** records, authentic songs and dances, all speeds. Write for latest list: Canyon Records, Dept. D, 834 No. 7th Avenue, Phoenix, Arizona.

**SELLING 20,000** Indian relics. 100 nice ancient arrowheads \$25. Indian skull \$25. List free. Lear's, Glenwood, Arkansas.

**FOR SALE:** The Indian artifact collection of Ben L. Squier gathered during the past 50 years in the Colorado Desert. Consists of 50 ollas, large, small, cooking, burial, etc. About 5000 arrow points. Mortars, metates, arrow straighteners. Some wooden implements. All non-perishable artifacts made by the Colorado Desert Indians. A few Mayan pieces, jade death mask, alabaster jug, etc. Completely catalogued. Write: David S. Bone, Administrator, 4330 47th Street, San Diego, Calif.

**AUTHENTIC INDIAN** jewelry, Navajo rugs, Chimayo blankets, squaw boots. Collector's items. Closed Tuesdays. Pow-Wow Indian Trading Post, 19967 Ventura Blvd., East Woodland Hills, Calif. Open Sundays.

**THOUSANDS INDIAN** relics, many museum quality. Baskets, pottery, rugs, pipes, fetishes, necklaces, drums, stone cogs, axes, tools, metates, mortars, arrowheads, pendants, beads. Open daily. Sunday and Monday appointments only. Krechel's Antiques, 2738 Honolulu Avenue, Montrose, Calif. Phone 213-249-5324.

**100 MIXED** arrowheads, birdpoints, warpoints, scrapers, \$13.50. State wants—Indian relics, pottery, masks, fetishes. Also oriental carvings. Paul Summers, Canyon, Texas.

**FINE RESERVATION-MADE** Navajo, Zuni, Hopi jewelry. Old pawn. Many fine old baskets, moderately priced, in excellent condition Navajo rugs, Yei blankets, Chimayo homespun, pottery. A collector's paradise! Open daily 10 to 5:30, closed Mondays. Buffalo Trading Post, Highway 18, Apple Valley, California.

**10,000 INDIAN** relics for sale, trade; large collections sea shells and choice fossils. 17437 Bellflower Blvd., Bellflower, Calif. Phone TO 74356.

**THREE FINE** prehistoric Indian war arrowheads \$1. Flint scalping knife \$1. Rare flint thunderbird \$3. All \$4. Catalog free. Arrowhead, Glenwood, Arkansas.

### • JEWELRY

**GENUINE TURQUOISE** bolo ties \$1.50, 11 stone turquoise bracelet \$2. Gem quality golden tiger-eye \$1.75 pound, beautiful mixed agate baroques \$3 pound. Postage and tax extra. Tubby's Rock Shop, 2420 1/2 Honolulu Ave., Montrose, California.

### • MAPS

**SECTIONIZED COUNTY** maps — San Bernardino \$3; Riverside \$1; Imperial, small \$1, large \$2; San Diego \$1.25; Inyo \$2.50; Kern \$1.25; other California counties \$1.25 each. Nevada counties \$1 each. Include 4 percent sales tax. Topographic maps of all mapped western areas. Westwide Maps Co., 114 West Third Street, Los Angeles 13, California.

**METSKER'S NEW** county maps show all roads, creeks, lakes, sections lines, etc. For hunters, fishermen, rockhounds. \$1.25 each at sports, stationery and map stores. Metsker's Maps, 111 So. 10th St., Tacoma, Washington.

### • MINING

**\$1 FOR** gold areas, 25 California counties. Geology, elevations. Pans \$3, \$2.50. Poke \$1. Fred Mark, Box 801, Ojai, California.

**ASSAYS. COMPLETE**, accurate, guaranteed. Highest quality spectrographic. Only \$4.50 per sample. Reed Engineering, 620-R So. Inglewood Ave., Inglewood, California.

**LOST MINES.** I have found what I believe to be the Lost Josephine Mine, smelter and rock cabins. In Utah. Need financial help. Merrill Willes, 3611 Camerino, Lakewood, Calif.

### • OLD COINS, STAMPS

**SILVER DOLLARS** special. All uncirculated. 1878cc \$5., 1880-81-85-1892cc \$20 each. 1898-1904 0 mint \$5 each. 1899-1900-01-02 0 mint \$3 each. Coin catalog 50c. Shultz, Salt Lake City, 10, Utah.

**ANY THIRTEEN** Philadelphia Lincolns except 09vdb, 15P, 31P, 32P, 33P, \$1.10. Proof sets 1957 \$4.25, 1960 \$4.25, 1961 \$3.10. Tracimoney, 25 Quinlan, Staten Island 14, N. Y.

### • PHOTO SUPPLIES

**RAPID, CONVENIENT** mail service for quality black-white or color film finishing. Write for our free bargain brochure. The complete photographic store since 1932: Morgan Camera Shop, 6262 Sunset Blvd., Hollywood 28, Calif.

**WESTERN COLOR** slides, National Parks, Monuments, nature, Indians, mountains, weather. Request listings. Nesbit's Quality Approvals, 711 Columbia Road, Colorado Springs, Colo.

**8mm MOVIES:** 50' color. Calico, California; San Francisco's Cable Cars; Virginia City, Nevada; California's Mother Lode; Death Valley. \$4.95 each. Longstreet, 6977 Sunnydell, Hollywood, California.

### • PLANTS, SEEDS

**1962-63 WILDFLOWER** and Wild Tree Seed Catalog, lists over 700 of the best varieties, 50c. Scientific name, common name, informative, artistic. Clyde Robin, P. O. Box 2091, Castro Valley, California.

**OLD FASHIONED** large gourd seeds, mixed types, certified, 50c. Ornamental, useful for birdhouses, utensils, Christmas decorations, conversation pieces, etc. Certi-Seeds, 5915 Shoshone Avenue, Encino, California.

**CARNIVOROUS VENUS** Fly-Traps, rare, breath-taking, devour small frogs and insects, 5-10 trap plants, thrive in windows. \$1.50 kit includes 2 plants with instructions; \$2 for 3 plants. Venus Fly-Traps, 1910 Perry Avenue, Wilmington, North Carolina.

**CHIA AS** featured in "Hot Cakes and Chia" (April '58 Desert) for sale, \$5.50 pound. Wonderful health food. Gregory, Box 147, French Camp, California.

### • ROCK COLLECTION

**BISBEE MINERAL**, crystal collections: \$75, \$50, \$25, and \$10. See these at 609 Campbell, Warren, Arizona. Write for details: Box 277, Warren, Arizona.

### • REAL ESTATE

**FOR INFORMATION** on desert acreage and parcels for sale in or near Twentynine Palms, please write to or visit: Silas S. Stanley, Realtor, 73644 Twentynine Palms Highway, Twentynine Palms, California.

**LAS VEGAS LOTS** for sale, in fast-selling subdivision, just five minutes from downtown. Choice level lots (50'x100') at lowest terms in Las Vegas. Only \$10 down, \$10 per month. \$995 full price . . . while they last. Send today for free brochure. Land, Inc., Dept. DC, 130 Las Vegas Blvd. South, Las Vegas, Nev.

**OREGON RANCHES** near Medford and Grants Pass, 50 to 160 acres low as \$150 down, \$35 monthly. Free catalog. Cal-Ore Ranches, 843-DX East Main Street, Medford, Oregon.

**WAGON WHEEL** Rock Shop, bargain, shop size 24x34', large stock, good quality. Two-bedroom house above shop, two rentals, small rear storage building, lot 137x300' on Highway 80. Smog free, best respiratory climate in U.S. Details on request. P. O. Box 422, Alpine, Calif.

**2 1/2 LEVEL** acres, 100 miles from Los Angeles, \$900 full price. \$25 down, 15 month. Beautiful area near Mojave River, highway, suitable weekend retreat, year-round living. AX19188, Box 8062, Los Angeles 8, Calif.



**FOR SALE:** Home with income, unbeatable value. Three lovely modern houses on beautifully landscaped fenced lot 200'x150'. Each 1 bed room, large closets, store room, carport, pump house, abundant water, paved roads, near shops. Ideal for retired couple, live in one, rent two. Cost \$26,000. Sacrifice for \$19,500. \$7000 down. Mrs. B. P. Ellis, Box 574, Lucerne Valley, California.

## ● TREASURE FINDERS

**NEW—FLUORESCENT** mineral detector that detects boron, fluorine, lithium, molybdenum, strontium, tungsten, uranium, zinc, zirconium and other minerals. Cigarette pack size, daylight operation, requires no batteries. Price \$12.50. Free brochure. Essington Products & Engineering, Box 4174, Coronado Station, Santa Fe, New Mexico.

**SENSITIVE TRANSISTOR** metal locators. Find gold, silver, buried treasures. \$19.95 up. Free catalog. Relco, Dept. D, Box 10563, Houston 18, Texas.

**FIND LOST** or hidden treasures with new transistor metal detector, underwater metal detectors, scintillation counters, etc. Free literature. Gardiner Electronics, Dept. 51, 2545 E. Indian School Road, Phoenix, Arizona.

**MINERAL AND** metal locator with meter, five pounds, "Geo Finder", earphones, like new, \$80. San Flora, 9160 Sonrisa, Bellflower, Calif.

## ● WESTERN MERCHANDISE

**GHOST TOWN** items: Sun-colored glass, amethyst to royal purple; ghost railroad materials, tickets; limited odd items from camps of the '60s. Write your interest—Box 64-D, Smith, Nevada.

**GHOST TOWN** treasures. Old mining, ranching, railroad, auto items, desert purple glass, old bottles, books. Send 25c for descriptive folder, history, and over 1000 items for sale. Roberta's in Garlock ghost town, Box C, Randsburg, California.

**WE HAVE** nice collection colored desert glass and bottles. Many varieties nice rocks and tables. Apache Tears, 20 for \$1.15. Roeders Rock Shop, Box 355, Jacumba, California.

**VISIT EARLY—**West type Tontz Country Store. Antique firearms, Indian arrowheads, antiques, thick luscious silver sage honey, natural dates, dried fruits. Serving tasty buttermilk pancakes 39c regular stack. Open six days. Closed Wednesdays. Elsinore, California (three miles south on Highway 71).

## ● MISCELLANEOUS

**FREE "DO-it-Yourself"** leathercraft catalog. Tandy Leather Company, Box 791-K48, Fort Worth, Texas.

**BEAUTIFUL PICTURES** in wood veneer, custom oil painting. Send stamped envelope for folder. Dean's Art Creations, 6711 Benton, Lincoln 7, Nebraska.

**WAMPLER WILDERNESS** trips—hiking and riding. California, Arizona, Mexico. Also Gypsy Tours—Arizona back-country motor caravan camping trips. Year-around activities at moderate prices. Details: Box 45, Berkeley 1, Calif.

**WILL WRITE** you a personal humorous individual letter. Let me know about yourself and what kind of legitimate humor you want. Short letter, \$1. Long letter, \$2. L. J. Ball, 6311 Yucca St., Dept. 1092, Hollywood 28, Calif.

## CLARAVILLE, BURNING MOSCOW MINE

(continued from page 15)



**KELSO VALLEY ROAD NEAR ROCKY POINT. A CENTURY AGO, FREIGHT OUTFITS FROM LOS ANGELES PASSED THIS SPOT EN ROUTE TO THE KERN RIVER MINES.**

rounding Sierra which from this vantage point stretches mile upon mile into the hazy distance.

Back at Sageland, where the intersection is marked by an abandoned road house bearing the prosaic name "Shorty's Place," the road reverts once more to an excellent oiled thoroughfare. Five miles beyond is a fair dirt route to U. S. 6 via historic Pinyon Well and Bird Spring Pass through which traveled the Fremont exploration party of 1844 on its way to the San Joaquin Valley. In later years it also was used as an alternate freight route through the mountains. Past Pinyon Canyon the road makes an abrupt swing around a weathered granite promontory known as Rocky Point. On the left are thick clumps of willows through which flows Kelso Creek, here joined by the waters of Woolstalf Creek. From this spot the canyon widens for the next seven miles until it debouches into the South Fork Valley at Weldon. A few abandoned adobe dwellings border the route. Scattered herds of horses and beef cattle graze over the open land where the latter were introduced more than 100 years ago to supply meat for the miners of the Kern River area.

Our backcountry jaunt ends at Weldon, named for a cattleman of

the 1850s. A few old structures of this former trading center still remain, of which the two-story A. Brown store building is the most imposing. Across the road are several unpainted barns and cattle corrals. Beyond stands a picturesque flour mill and slaughter house, both constructed before the turn of the century and now utilized for storage.

In pre-white days, Weldon was the site of a Tubatulabal Indian village called Tush-pan. In 1863, during the Civil War, a temporary U. S. Army post called Camp Leonard was established nearby, but its precise location is now unknown.

From Weldon a return to U. S. 6 can be regained by following U. S. 178 east through Walker Pass, while those choosing to enter the San Joaquin Valley can use the same excellent highway west past Lake Isabella and down the Kern River Canyon to Bakersfield. Excluding the 18-mile roundtrip from Sageland to Claraville, the Kelso Valley tour from the mouth of Jawbone Canyon at U. S. 6 to Weldon totals 46 miles.

Today Kelso is a secluded peaceful retreat, but the subdivisions in South Fork Valley draw inexorably closer. Lovers of the pristine wilderness had better hurry before it's too late. ///



## APACHE LAND

BEAUTIFUL  
SCENERY  
FISHING  
HUNTING  
FREE  
CAMP GROUNDS  
MODERN CABINS

*a Vacation Land  
to Remember*

# FORT APACHE

# INDIAN

# RESERVATION

The White Mountain Apache Indians welcome you. Come and enjoy the wonderful mountain climate, the beautiful primitive scenery, clear, cold streams and the best trout fishing in the Southwest.

FOR INFORMATION AND MAPS, WRITE

**WHITE MOUNTAIN  
RECREATION ENTERPRISE**

P. O. BOX 218  
WHITERIVER, ARIZONA

## Save Your Tires!

★ BRUSH IT ON!

★ AIR-DRIES QUICKLY TO LONG-LASTING  
PROTECTIVE SHIELD



## NEOPRENE TIRE SHIELD

★ Made with DuPont Neoprene  
*The coating to protect tire sidewalls*

★ Resists Dry-Cracking ★ Reduces Smog Damage  
★ Inhibits Rubber Deterioration ★ Makes Tires  
New-looking

Excellent protection for tires in storage on trailers, cars, mobile homes, boat trailers, dealer lots, trucks, 4WD cars. Don't Let Your Tires Rot! Send check or money order to:

**AUTO-VACATION PRODUCTS**

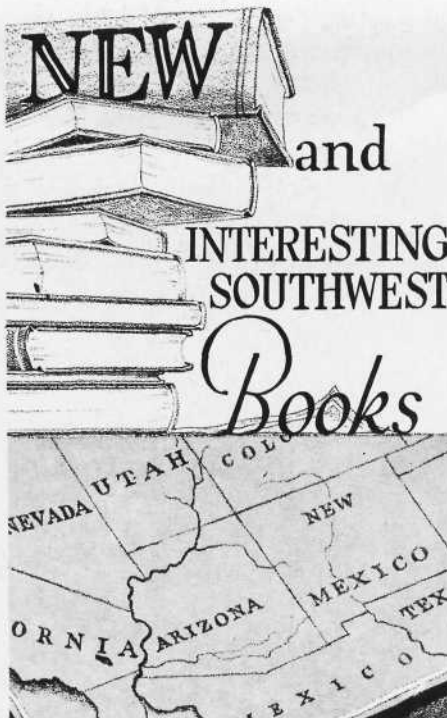
P. O. Box 276, San Dimas, Calif.

\$3.65 Qt. ☐ \$8.35 Gal. ☐ (sorry, no COD)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

*Return in 7 days if not satisfied*



One of the last and most successful of the turn-of-the-century mining camps was Randsburg, that gold-silver-tungsten town on the Mojave Desert. First Published in 1949, *DESERT BONANZA* has been reprinted recently in a new and enlarged edition. Marcia Rittenhouse Wynn's book is a sprightly report on the early days of the Rand District which even today draws gold-fervent prospectors to its shaft-scarred hills. Maps and historic illustrations enliven the fast-moving text. There are 331 pages and dust jacket. Also, a section on Johannesburg, neighbor of Randsburg. A fold-out map locates the mines of the area.

The Indian tribes of the West provided targets for the cavalry of the 1800s and grist for the manuscripts of hundreds of novels and historical sketches ever since. One of the latest, *BRAVE WARRIORS*, tells of some of the trials of seven different Western Indian tribes: the Nez Perce, Cheyennes, Modocs, Apaches, Crows, Comanches and Sioux. The book is well illustrated with photos of many of the leading chiefs and some of the soldier-captains of the day. Particularly well-done by author Norman Wiltsey are the two chapters concerned with the westernmost tribes—the Modocs and the Apaches. Fighting the Plains Indians was one thing; it was quite another game to flush the Modocs from the lava beds and hillsides of northern California, or to catch the coyote-like Apache as he skulked among the cactus-studded passes of southern Arizona. *BRAVE WARRIORS* has 380 pages, a bibliography, and a careful index.

—CHARLES E. SHELTON

## THE NEW BOOKS . . .

*DESERT BONANZA*, by Marcia Rittenhouse Wynn; fold-out map; 313 pages; index. \$8.50.

*BRAVE WARRIORS*, by Norman Wiltsey; illustrated; bibliography; 380 pages; index; \$6.50.

## ALSO CURRENT . . .

*THE ROMERO EXPEDITIONS*, 1823-1826, translated and annotated by Lowell J. Bean and William M. Mason. The Colorado Desert half a century after Anza. 117 pages; hardcover; \$10.

*PATH TO ENCHANTMENT*, by William J. Schaldach. Sonora sketches and informal text. 226 pages; hardcover; \$10.

*CACTI OF THE SOUTHWEST*, by W. Hubert Earle. A booklet designed for the layman. 110 pages; papercover; \$1.50. (Also available in hardcover; \$2.75.)

## HOW TO ORDER . . .

The books listed above can be purchased by mail from Desert Magazine Book Store, Palm Desert, Calif. Please add 15c for postage and handling per book. California residents also add 4% sales tax. Write for free Southwest book catalog.



## New Improved METAL DETECTOR

Finger tip nob control... low cost operation... greater sensitivity... battery checker... easy to operate... depth: 6 ft....

Model 27 (DeLuxe) photo above \$119.95

MODEL 711 ..... \$149.00

NEW NEW NEW

RAYTRON'S MODEL 990 ..... \$165.00

NEW SUPER SCOPE

Completely transistorized, with long durable life... easy to operate... maximum sensitivity and performance up to 28 ft. depth.

★ ★ ★ ★

LAKEWOOD CHEMICAL KIT .... \$36.00

Shipped express only

MINERALIGHTS: complete line from

\$12.75 to \$109.50.

★ Lapidary Equipment - Supplies ★

Gems-Minerals

Books ★ Jewelry

★ Tools

★ ★ ★

Triple Beam

Balance

by Ahaus

Complete with

specific gravity

attachment, and

cover ..... \$41.25

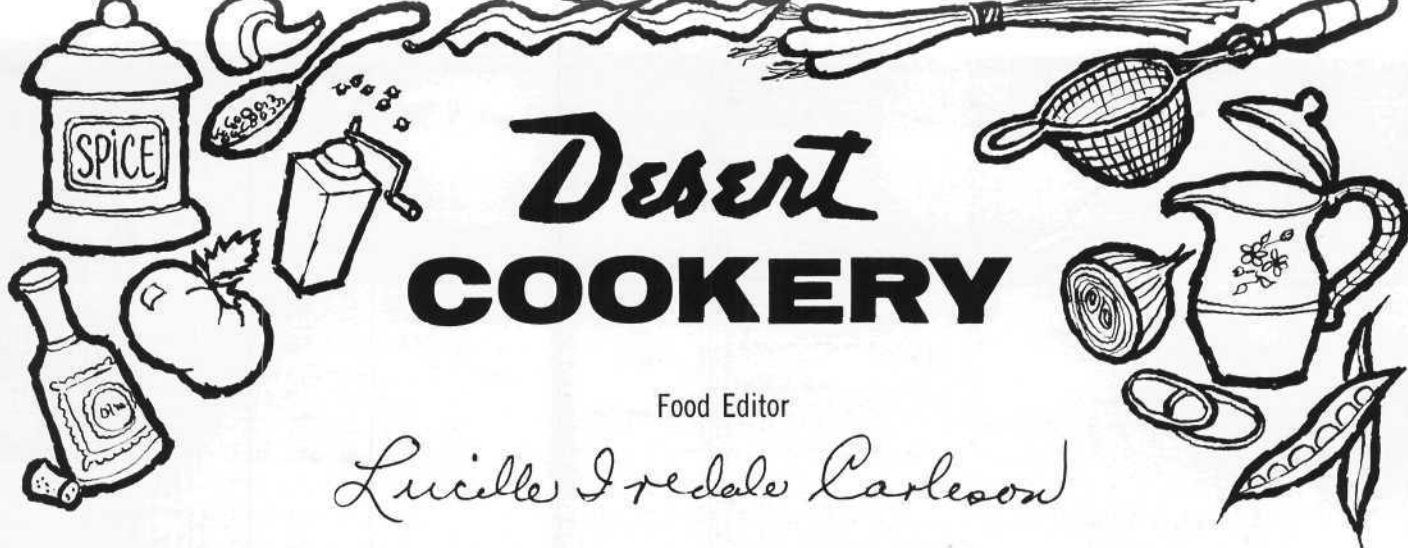


*Compton Rock Shop*

1405 S. Long Beach Blvd., Compton, Calif.

Telephone: 632-9096





# Desert COOKERY

Food Editor

*Lucille Iredale Carleson*

Although the piquancy of salad was discovered long before the West, it wasn't until creative Western cooks turned their attention to it that the salad really came into its own. Today's crisp lettuce leaf may contain an entire meal, especially during hot summer months.

## GRAPE SLAW SALAD

- 1 medium-sized cabbage shredded finely
- 1 cup seedless grapes
- 1 cup seeded red grapes, quartered
- 1 cup blanched almonds
- 1 tablespoon celery seed

Mix together and chill above ingredients

- 1 tablespoon flour
- 1 tablespoon dry mustard
- 1 cup sugar
- 2/3 cup white vinegar
- 1/3 cup pineapple juice
- 3 eggs
- 2/3 cup cream

In the top of double boiler combine flour, mustard, sugar, and 1/3 cup of vinegar. Stir to make a smooth paste. Stir in remainder of vinegar, pineapple juice and eggs which have been beaten until foamy. Cook over hot water until thick and creamy. Chill. When dressing cools, stir in cream. Mix with cabbage. 8 generous servings.

## Easy Substitute Dressing

1 carton sour cream. Stir in 1/3 cup vinegar and sugar or liquid sucaryl.

## SWEET POTATO SALAD

- 3 medium yams, cooked and diced
  - 1 cup sliced celery
  - 1/2 cup diced apple
  - 1/2 cup pineapple chunks
  - 2 teaspoons pickle relish
- Moisten with mayonnaise.  
Serve in bowl, lined with lettuce leaves.

## FANCY FRUIT PLATE

This salad is excellent for a buffet or for a family dinner with fried chicken.

- Spears of fresh pineapple
- Wedges of watermelon, cantaloupe and crenshaw melon
- Peach halves
- A few strawberries
- Two-inch pieces of banana, rolled first in salad dressing, then in cocoanut.
- Curley lettuce.

Dressing:

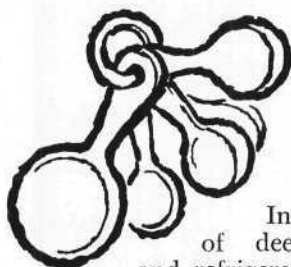
- 2 cups cottage cheese, into which fold the following:
- 1/4 cup mayonnaise
- 1 cup sliced grapes, either seedless or red seeded
- 1/2 cup pistachio nuts

Place cheese mixture in center of large serving plate. Surround with fruit on lettuce bed.

## CUCUMBER RELISH

- 1 package lime flavored gelatin
- 1/4 teaspoon salt
- 1 cup hot water
- 3/4 cup cold water
- 1/4 cup vinegar
- Dash of paprika
- 1/2 teaspoon grated onion
- 2 cups chopped cucumber

Dissolve gelatin and salt in hot water. Add cold water and vinegar. Chill until slightly thickened. Add remaining ingredients, folding in. Pour into small molds. Chill until firm. Very good with fish. Serves 12.



In this day of deep freeze and refrigerated transportation, desert menus may escape their former limitations. Maine lobster is as available to the desert cook as barrel cactus is to the candy-maker—more so since laws have been passed to protect the desert plant. That is why DESERT has asked Lucille Iredale Carleson to share with its readers her wealth of recipes acquired from her many friends throughout the world.

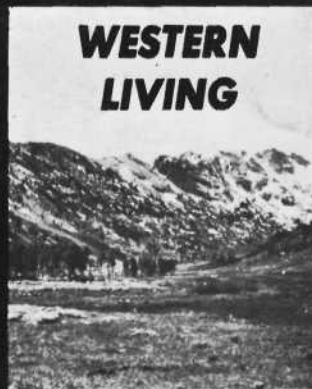
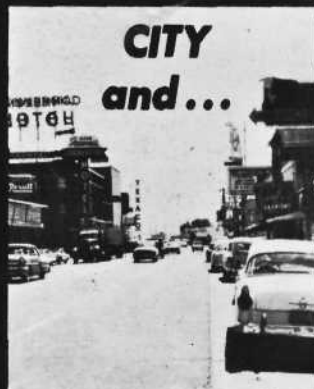
A resident of Salt Lake City and Palm Desert, Mrs. Carleson recently returned from her second trip around the world and her 11th to Europe. She has dined in palaces with princes and in Asian huts with dragoons. She has charmed recipes from the finest amateur culinary conjurers in America.

Some of her recipes will be cherished by DESERT gourmets, others will become favorites for family nights at home or around a mesquite-wood fire. All will be simple to prepare. There is no boundary limitation to the source of a good recipe. Neither does there appear to be to Mrs. Carleson's abundant supply.

# NOW... Start Enjoying "THE BEST of TWO WORLDS"

## 2 1/2 ACRES

JUST 1 1/2 MILES from ELKO, NEVADA



**\$1 DOWN / \$10 PER MONTH / FULL PRICE \$595.00**  
NO INTEREST NO CARRYING CHARGES

### MEADOW VALLEY RANCHOS



**BOOMING NEVADA IS EQUALED BY ONLY A FEW PLACES IN THE WORLD.** Population has surged Westward in ever increasing numbers. Westward to Nevada, where the air is fresh and clear, taxes are low or non-existent and opportunity is open to all. Yes, Nevada is booming and real estate investors are prospering. It is a proven fact that many purchasers of Nevada acreage have realized fabulous profits from small investments. Now, a NEW Nevada Real Estate Opportunity exists for you. This Ground Floor Opportunity is **MEADOW VALLEY RANCHOS**, located only 1 1/2 miles from the thriving city of Elko, Nevada.

#### THE VERY BEST FEATURES OF TWO WORLDS

**...THE WORLD OF THE WEST** Located in prosperous Elko County, the ranchos have the backdrop of the majestic Ruby Mountains. The sparkling Humboldt River is a short 1/2 mile away. Every Rancho fronts on a graded road that leads into coast to coast U.S. Highway 40. Amidst these spectacular surroundings **MEADOW VALLEY RANCHO** owners can relax and enjoy the wonderful life of the Golden West.

**...THE WORLD OF CITY CONVENIENCES** The bustling city of Elko with its modern schools, shops, theaters, hospital and airport is only 1 1/2 miles away. The Experienced, Successful Developers of **MEADOW VALLEY RANCHOS** are not offering remote land where purchasers have to hope for progress and expansion. They offer you the opportunity of a life time, a chance to participate in Nevada's continuing boom . . . Minutes from the conveniences of hospitable Elko, in the midst of current growth and progress, **MEADOW VALLEY RANCHOS** has all the necessary ingredients to skyrocket in value!

#### RECREATION UNLIMITED:



**FISHING:** In jewel like lakes, and mountain fed bottom streams you'll catch trophy size German Browns, Rainbow and Brook Trout . . . large mouth fighting Bass. **RANCHO** owners can catch their dinner within easy driving distance of the property lines.

**HUNTING:** Hunters from all corners of the globe come to Elko County to hunt the big game species Mule Deer . . . Quail, Chukar, and Partridge are found in abundance.



**GOLF:** A mere one mile from **MEADOW VALLEY RANCHOS** is the Ruby View Golf Course. No rush for starting times on this city owned and maintained golf course, but golfing as it should be enjoyed. Play a leisurely 9-18 or 36 holes surrounded by breathtaking scenery, minutes from your rancho.

**YOUR OWN LAKE . . .** You, and your invited guests will spend many happy hours boating, fishing and picnicking at nearby Lake Osino. There is no charge to Rancho owners for full rights to the use of this private multi-acre lake and park area.

**PROVEN OPPORTUNITY:** Yes, individuals are taking advantage of Nevada opportunity. But the countries financial experts, our leading corporations are also investing in their Nevada futures. Industrial giants build plants where Increasing Land Values and Population demand them. Anaconda Copper has completed a \$32,000,000 plant. North American Aviation, Kaiser Steel and Curtis-Wright are building plants or have secured large acreage.

**LOW OR NON-EXISTENT TAXES:** As a result of Nevada's low realistic tax structure, Profits And Wages Are Kept; not paid out to the state. **NEVADA HAS NO STATE INCOME, INHERITANCE, CORPORATION OR GIFT TAX.** The low real property tax is definitely limited by the state constitution. **YES, NEVADA IS ONE OF OUR LAST FRONTIERS OF TAX FREEDOM!**

**TOTAL COSTS:** The full price of the title to your 2 1/2 acre Rancho is only \$595.00. Complete payment schedule is \$1.00 down and \$10.00 per month. No interest, no carrying charges. Live, Vacation or Retire on your land, or simply hold for investment security. Wise men like Andrew Carnegie said, "More money has been made in Real Estate than in all industrial investments combined." **Make MEADOW VALLEY RANCHOS' PROSPEROUS FUTURE — YOUR FUTURE. DON'T MISS THE GOLDEN OPPORTUNITY!**



#### MEADOW VALLEY RANCHOS DM-1 Stockmen Bldg., Elko, Nevada

Yes! — Reserve acreage at **MEADOW VALLEY RANCHOS** for me — 2 1/2 acre parcel, \$595 — payable \$1 down, and \$10 a month, no interest no carrying charges. Send purchase contract and map showing exact location of my holding. You will return my deposit if I request same within 30 days. Have indicated below number of Ranchos desired.

SIZE ACRES	DOWN	PER MO.
2 1/2	\$1	\$10
5	\$2	\$15
7 1/2	\$3	\$20
10	\$4	\$25

#### MAIL COUPON TODAY

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ Zone: \_\_\_\_\_ State: \_\_\_\_\_

Indicate No. of Ranchos \_\_\_\_\_ Total enclosed \$ \_\_\_\_\_